

● **BLAUPUNKT**

Autohifi





You will find **Blaupunkt in-car loudspeakers** on pages 36–55.

Our immense range of **In-Car Radio/Cassette Combinations** can be seen on pages 8–29.

We provide information about **Blaupunkt Booster Amplifiers and Equalizers** on Pages 30–35.

What Goes Where? All you need to know about the concept and design, power and installation possibilities of Blaupunkt In-Car Radio technology can be found in the introductory pages.

Blaupunkt 85: The programme. In-car radio, stereo, hi-fi. The entire range of technology for exhilaration, for your greater driving pleasure.

Output is the decisive factor if you want to live the Sound Experience. If you want greater safety via traffic news, technology is the key. Because you have your own individual demands about how you listen while you drive, Blaupunkt offers you the specific answer to your many requirements.

Blaupunkt offers In-Car Radios, Cassette-Radios and Sound Components for In-Car Hi-Fi.

always specific and individual.

What's your type?

The Blaupunkt Decision

the system to meet your demands for today while remaining open to your needs of tomorrow. For we are prepared for ever greater sound, ever more power and wider possibilities: because our system can grow with your desires. Blaupunkt means entertainment and information electronics for all. Masterful technology, attractive design, intelligent comfort – from single components to the complete in-car hi-fi system, Blaupunkt is the technology of exhilaration.

"I need a good car radio, reliable in the provision of information and at the same time giving me entertainment. The latest news and music. And I go for the big names for a very good reason: better safe than sorry!"
Is that your opinion too? Then first take a look at the following suggestions:

Porto 24
Bristol 24
Turin M 14
Amsterdam 12

Page 25
Page 26
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Page 30

When it comes to recommendations we are always specific and individual.

What's your type? The Blaupunkt Decision Aid.

A folder such as this can be used in very different ways. Perhaps the best thing to do is to study it from the first to the last page. Take a look at what's new (and established) in Blaupunkt in-car radios, hi-fi systems and general in-car acoustics. Let yourself be fascinated and excited by the variety of choices offered you by modern electronics, and maybe mark the things that particularly interest you.

The other way is like this: you know what you want, because from experience you know what interests you most. Then you can start by concentrating on the equipment corresponding to your "type" of in-car radio. That is why we have drawn up this decision aid. But it is important to remember: these are recommendations — nothing more. So first decide "what's your type" of in-car radio. Perhaps your decision will then be made a little easier.

**Blaupunkt.
Sound made to measure
in your car!**



Type A

"I need a good car radio, reliable in the provision of information and at the same time giving me entertainment. The latest news and music. And I go for the big names for a very good reason: better safe than sorry!"

Is that your opinion too? Then first take a look at the following suggestions:

Porto 24
Bristol 24
Turin M 14
Amsterdam 12

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Type B

"Music makes me tick, Sound switches me on. Sometimes I even put a cassette on before I've turned on the ignition. If at the same time I'm kept up to date with the news — well, that's all the better!"

Taking the words from your mouth? Then we have a lot to offer you:

Memphis SQR 04
Kingston R 24
Toronto SQR 45
Boston SQM 23
Melbourne MR 23
Cambridge M 23
Paris R 23

Pages 8/9
Pages 10/11
Pages 16/17
Pages 20/21
Page 22
Page 22
Page 23



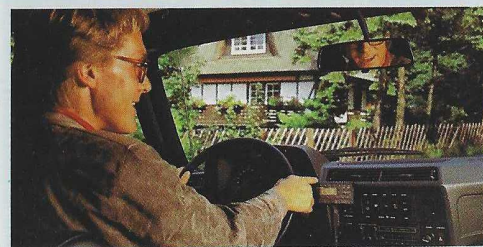
Type C

"If you're for ever on the road with appointments to keep, you come to appreciate the value of reliability. I want to travel safely and to keep moving, and of course, I also want to listen to music. And, for goodness' sakes keep it simple — Life is complicated enough as it is."

Your view too? The following devices should attract your attention first:

Montreal SQR 24
Boston SQM 23
Melbourne MR 23
Stockholm R 24
Porto 24
Oslo SM 21

Pages 18/19
Pages 20/21
Page 22
Page 24
Page 25
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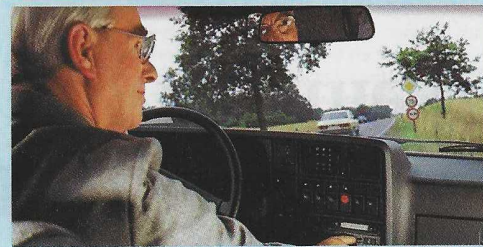
Type D

"Sometimes I wonder what I get most fun out of: Sound and Information — or the unbelievable precision with which these electronic miracles actually work. I find perfect technology fascinating, and that ultimately decides my choice."

You too? Here are our suggestions:

Memphis SQR 04
Berlin SQR 84
New York SQR 05
Toronto SQR 45
Montreal SQR 24
Boston SQM 23

Pages 8/9
Pages 12/13
Pages 14/15
Pages 16/17
Pages 18/19
Pages 20/21



Type E

"My ideal car radio is reliable and safe and easy to use. In other words, the same things I want from a car."

Could this be you again? One of the following units may well appeal to you:

Boston SQM 23
Porto 24
Bristol 24
Oslo SM 21
Turin M 14
Amsterdam 12

Pages 20/21
Page 25
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Page 27
Page 28
Page 29

Simultaneous driving and listening makes special demands on technology. At Blaupunkt, we have specific solutions, from overall concept down to the finest detail.

Europe's Car Drivers require the best in-car radios in the world.

There are quite simple reasons for this. Nowhere else are stations so densely packed as in Europe. Consequently, nowhere else must radio selectivity be so precise. Furthermore, in city centres and mountain areas reception conditions can rapidly change while you are on the road. Care and expense must go into the design of the receiver.

Better Technology for More Driving Pleasure.

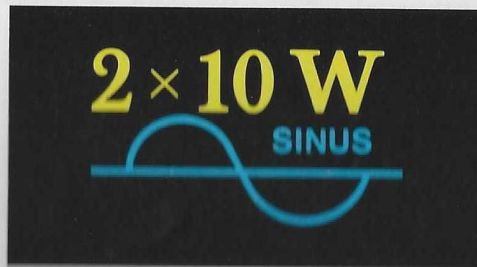
Information is one side of modern Blaupunkt electronics for the car. Sound is the other, for more entertainment, more experience and more fun on the road. For this, not only special designs are required but also a wide range of special sound components. This is because each vehicle makes its own specific demands.

Built Into the Car.

What is needed is safety through information, exhilaration through sound, and uncompromising power. Among other things! Blaupunkt has the complete answer, convincing from concept to detail.



Dolby System. If you want to bring your home hi-fi requirements into your car, a Blaupunkt Dolby Cassette Deck is a good recommendation. This world famous noise reduction system contributes to bringing the best out of your cassettes: exhilarating music.



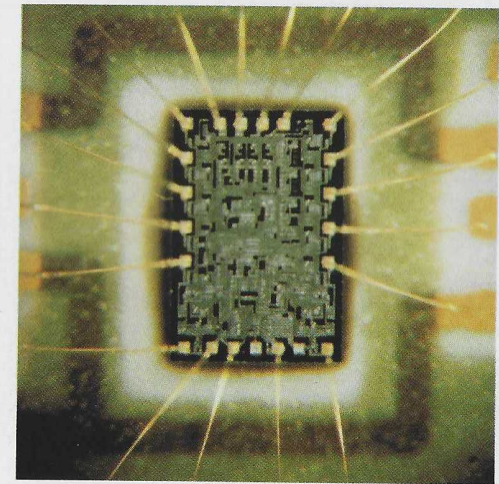
Output Power. High output is much more than the possibility for high volume. High power creates large reserves — and therefore the conditions to convert power masterfully into sound. Dynamic and without distortion with full bass & crystal clear trebles, even at peak levels. So every Blaupunkt starts with high power, and you have the possibility of increasing it further with an amplifier.



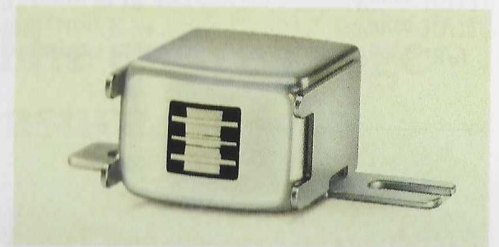
Autoreverse. The luxury level in the sound class: autoreverse is the technique that automatically switches the tape to the other side when one is finished. But you can also of course switch it at any point you like on the tape, at the touch of a button.



Automatic Volume Control. Vehicle interior noise and listening conditions are constantly changing. With the AVC, automatic volume control, the preset volume of the cassette or radio is automatically adjusted to meet acoustic conditions. It is more precise, faster and safer than manual control.



PLL-Tuning. The technological plus in Blaupunkt digital systems. A quartz system (QTS) latches on to the station and quartz stabilization holds it steady. The digital display shows the frequency selected. These are the best possible conditions for good reception quality and sure station finding.



High Output Tape Heads. The tape head of the cassette deck is another determining factor in sound quality. Blaupunkt uses Hard Permalloy, Ceramic and Sendust tape heads. This ensures a wide transmission range over a long life span.

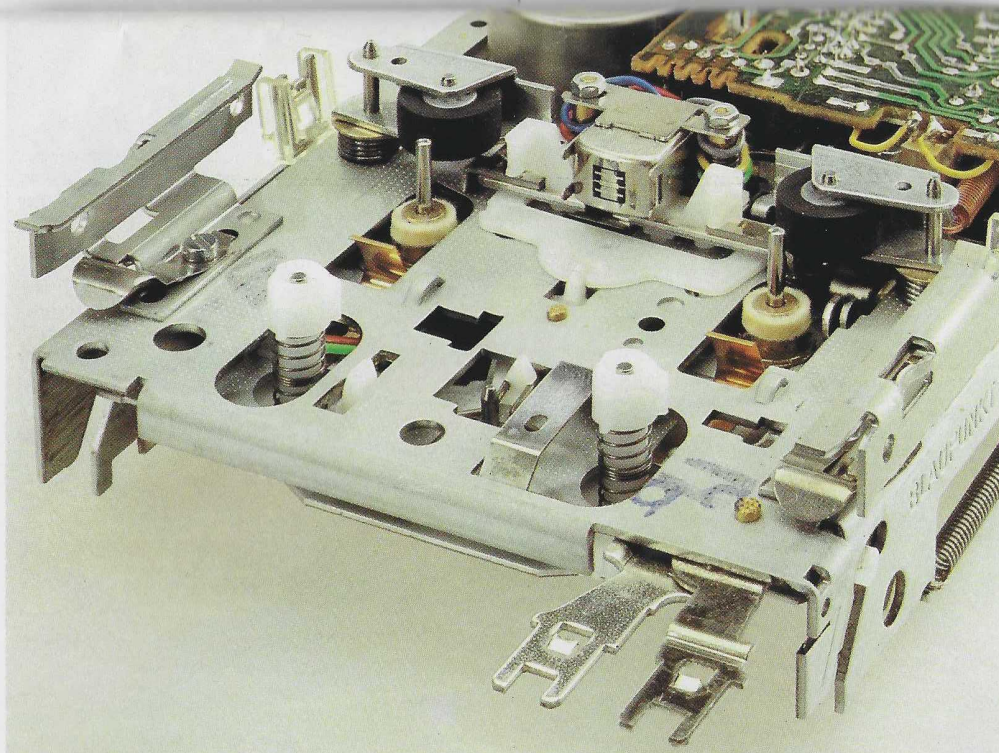
What we mean when we say: An Example in Practicality.



Cassette Programme Search. Comfort for Safety! CPS means Cassette Programme Search, and means that you can switch on your music with even greater ease. At the touch of a button the tape is wound forward to the next track, or back to the beginning of the track just ended. The Play command is automatic.



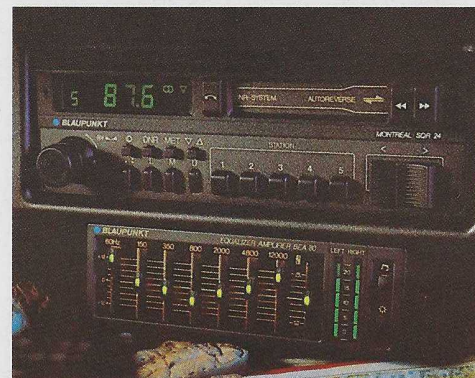
Tape Selector. The more technically perfect your tuning, the more striking will be the final result. That means Sound. Blaupunkt In-car cassette-radios are they the Top Class therefore have a tape selector for accurate reproduction of CrO₂ and Metal cassettes. You will be able to hear just what this means...



Tape Transport Technology. The high precision mechanism of the cassette deck ensures lasting reliability for pure cassette reproduction. Quality you can listen to over and over again.



DNR (Dynamic Noise Reduction). A new NR technology. An electronic circuit constantly monitors the programme and limits the bandwidth of the amplifier exactly in tune with the audio frequency emitted. The result is that only the audio signal "comes through", while unwanted high frequency noise is effectively suppressed. Furthermore, this applies to both radio and cassette! The best basis for pure music.



Blaupunkt Night Design®. The practicability of light. Blaupunkt's Night Design® means that all controls and indicators are illuminated without dazzle. This facilitates precision control and provides a rapid overview. So driving in the dark is made visibly safer.



Tone Control. Blaupunkt in-car hi fi is a sound system which can grow with your own desires. E.g. greater tone control possibilities can be obtained by using an additional Equalizer. With e.g. Equalizer/Amplifier No. BEA 80, it is possible to regulate separately 7 different frequency ranges — in accordance with your own "ear" for sound, and with the particular conditions of your vehicle interior.

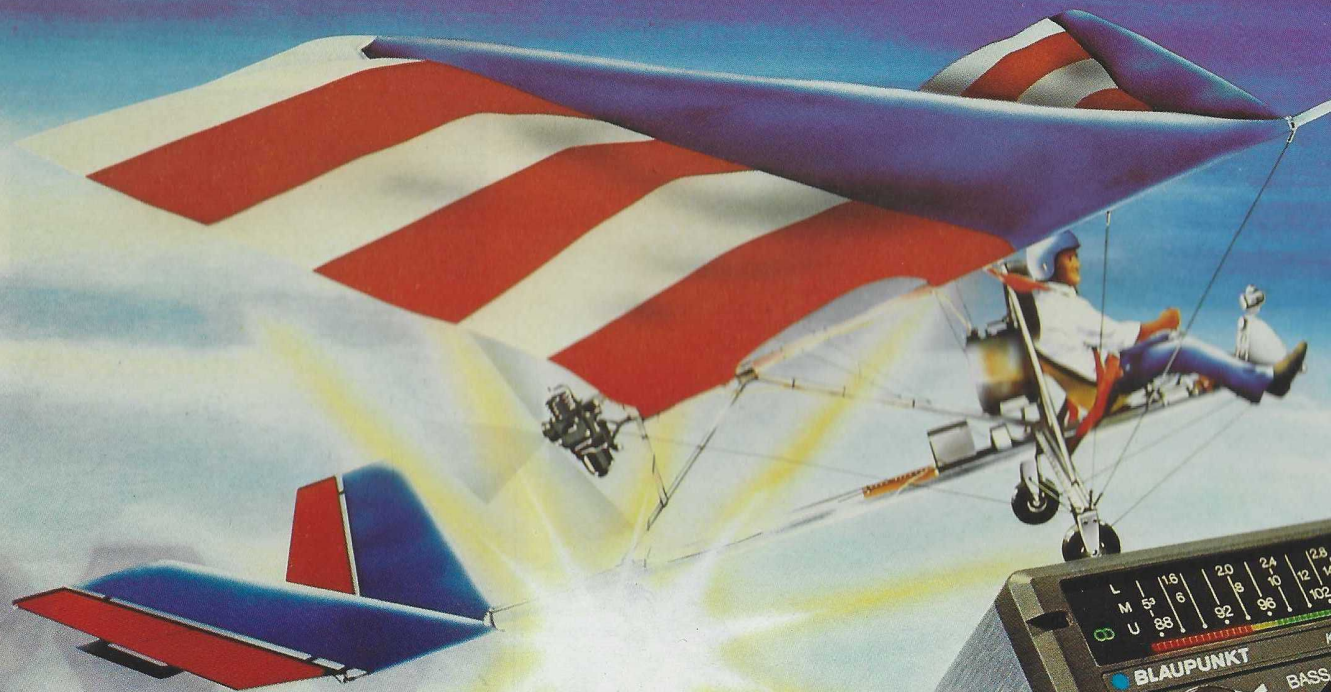


Output Control. With a Blaupunkt amplifier — if required, in combination with an Equalizer — you will be able to increase the output power of your in-car hi fi exactly as you wish. This is not just for ever greater power but more particularly for ever greater exhilaration through clear sound under all acoustic conditions.



In-car Loudspeaker Systems. Blaupunkt caters for a multitude of requirements, a variety of vehicle acoustic conditions, and a number of awkward installation conditions for the correct loudspeakers. This is the SL 1640 from the Blue Magic Line. It is as fascinating in its sound as in its design. We are speaking here of acoustic and optical adaptation to your vehicle interior, or, in short, of in-car hi fi to be both seen and heard.

Soar-away
Sound!





The Blaupunkt Sound Machines. An Entirely New Range.

Soar-away Sound!

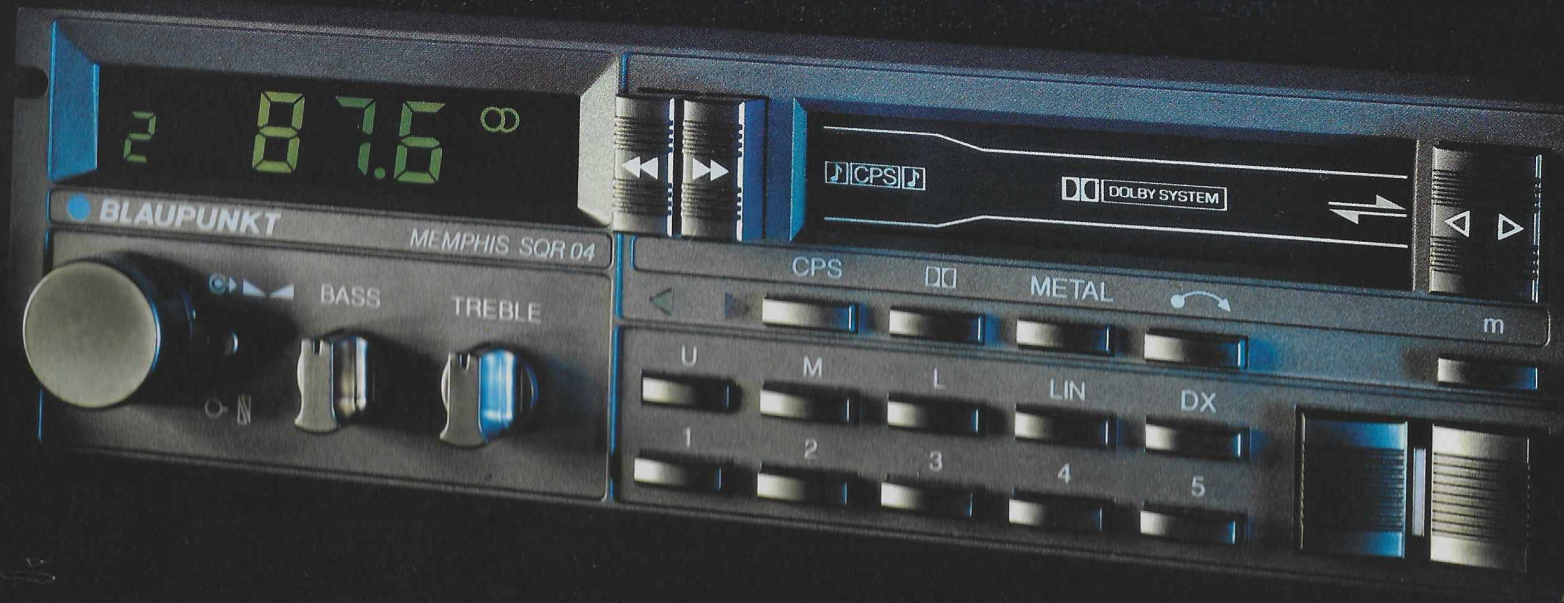
We wanted sound under the skin, in-car hi-fi you could touch, music alive — we wanted the entire exhilaration which can be produced by active listening. And this is the result: Blaupunkt Memphis SQR 04 and Blaupunkt Kingston R 24.

The Sound Machines.

Memphis, Kingston — their names alone have the promise of sound, and even their external design shows their class. But just what they can do, you will have to experience for yourself. This is technology painstakingly arranged by us into acoustic quality, for exhilarating reproduction of cassettes and radio broadcasts. Sets ready for upgrading into a major Blaupunkt in-car hi-fi system packed full of power through Blaupunkt amplifiers, enjoying all possibilities of sound control through Blaupunkt equalizers, and gifted with the full brilliance of Blaupunkt car loudspeakers.

In other words: these are the sound machines for the sound generation.

The following pages introduce the sets. Hear and see them now, at your Blaupunkt dealer.



FM Stereo	MW	LW	Tuning Search	Preset Memory	Lockable Fast Forward/Rewind CPS
Autoreverse	Tape Selector	Dolby®	Hard Permalloy Tape Head	Linear Control	35–18,000 Hz

Soar-away Sound.

Blaupunkt Memphis SQR 04.

Blaupunkt's answer to the demands of the Sound Generation: it is an entrancing music machine, with every detail pointing to the ultimate destination — Sound! • Tuner/Cassette combination with integrated preamplifier: designed for combination with a Blaupunkt Amplifier from the High-End-Class • Preamp-Output • Differential tone controls on the unit, and perfect tone control when connected to a separate Blaupunkt equalizer • PLL Quartz Tuning System, with electronic tuner search • 5 Preset Buttons (15 location matrix memory) • Digital Frequency Display (TLCD) • Dolby® Tape Deck with motorised cassette loader • Metal Tape • Extreme ease of use with music search (Cassette Programme Search) • Blaupunkt Night-time Design: sure control even in the dark.

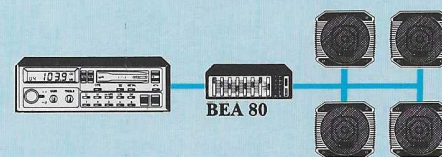
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Weight: approx. 1.8 kg.

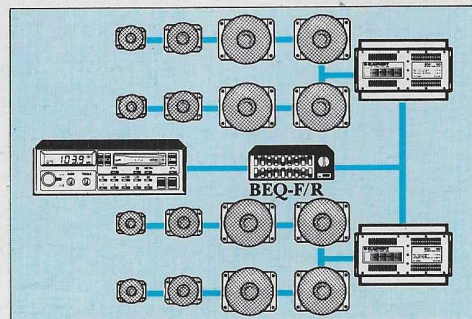
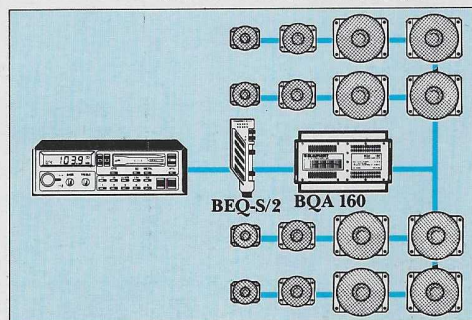


Control of sound, enjoyment of music — exhilarating possibilities for the great car hi-fi experience. The full range of possibilities bringing out of sheer power, the best that Blaupunkt's top quality technology can offer: soar-away sound.

Blaupunkt System Suggestions*



* You will find further system combination possibilities on page 31.



Technical Information

Tuner. Stereo FM reception • FM/MW/LW • Quartz Tuning System, with high precision PLL Frequency Synthesizer • Microcomputer-controlled 2-way tuning search • Rapid search and precise tuning via variable PLL scanner: search in 25 kHz steps, fine tuning in 12.5 kHz steps • 2 levels of search sensitivity can be switched (DX button) • Manual tuning selector for fringe stations • Digital Frequency Display using Transflective Liquid Crystal Display (TLCD) • 5 triple-position station buttons (matrix memory) for FM, LW and MW, digital read-out of selected frequency on the display • Last Station Memory (automatic memorization of last station selected before set switched off).

Cassette Deck. Stereo Playback • Autoreverse mechanism with automatic track change (cassette does not need to be turned over) • Motorized Loading • CPS music search (Cassette programme Search): Fast Forward with switchable automatic stop at next piece of music, Fast Rewind with automatic stop at the beginning of the piece just played • Tape Selector Metal Tape/CrO₂ or Normal • Electronic tape transport monitor • Lockable Fast Forwards/Rewind • Dolby® System for low noise cassette reproduction • Durable Hard Permalloy head • Extremely wide frequency response: 35–18,000 Hz!

Preamp. Separate tone controls for treble and bass • Balance control (right/left) • Fader for distribution of sound to front and rear loudspeakers • Four channel output • Automatic Loudness • Linear button for cutting out of loudness function.

Blaupunkt Night Design. Non-glare illuminated front panel.

Connections. Pre-amp Output • Motorized Aerial.

Design. Car Hi-Fi Design in Ferro-Metallic.





FM Stereo	MW	LW	Lockable Fast Forward/Rewind	CPS	Autoreverse
DNR	Tape Selector	Linear Control	Hard Permalloy Tape Head	35-18,000 Hz	2 x 10 Watt RMS

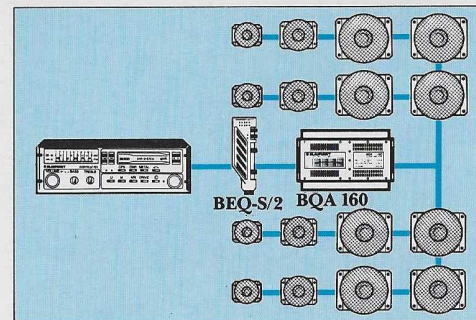
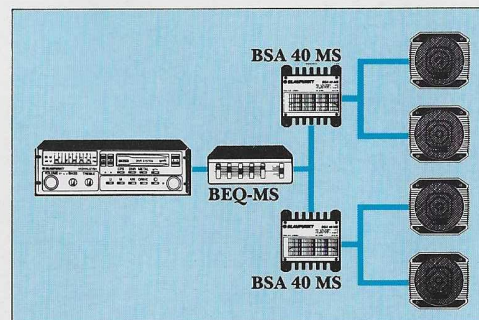
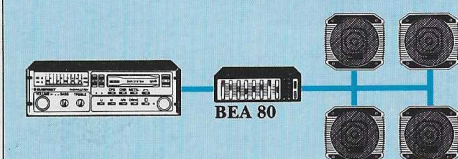
Music Machine.

Blaupunkt Kingston R 24.

A new class of in-car sound: a receiver/cassette combination with striking features, a Blaupunkt music machine for those to whom exhilarating sound quality is as important as the equipment for actively controlling it • Stereo radio unit with precision tuning and colour illuminated strip frequency display • Dynamic Noise Reduction (DNR) for effective suppression of unwanted noise during radio and cassette listening • Autoreverse cassette deck with motorized cassette loading system • Pre-amp Output option • Electronic Cas-

sette Programme Search (CPS) for automatic repeat and skipping of individual music tracks • Extra wide playback spectrum of 35-18,000 Hz • Designed for combination with Blaupunkt amplifiers and Blaupunkt equalizers • Blaupunkt Night Design: non-glare internal illumination of front panel. Ref. No. 7 643 687 510 Weight: approx. 2.0 kg.

Blaupunkt System Suggestions*



* You will find further system combination possibilities on page 37.

£ 156.29 + UAT.
K 100.40 + UAT.

DNR (Dynamic Noise Reduction). A new NR technology: the DNR system in the Blaupunkt Heidelberg SQR 24 and Kingston R 24. An electronic circuit constantly monitors the programme and limits the bandwidth of the amplifier exactly in tune with the audio frequency emitted. The result is that only the audio signal "comes through", while unwanted high frequency noise is effectively suppressed. Furthermore, this applies to both radio and cassette! The best basis for pure music.



Technical Information

Tuner. Stereo FM reception • FM/MW/and LW • Manual tuning with frequency displayed on colour illuminated strip • DNR system (Dynamic Noise Reduction) for high efficiency suppression of unwanted noise on both radio reception and cassette playback • Automatic FM fine tuning (ETC) • Automatic FM Interference Absorption Circuit (ASU) • Stereo/Mono Switch • Separate Controls for Treble and Bass • Automatic Loudness for full sound range at all volumes • Linear control for cancellation of loudness function • Stereo Balance Control.

Cassette Deck. Stereo Playback • Autoreverse mechanism with automatic tape track change (no need to flip cassette over) • Motorized Loading • CPS Music Search (Cassette programme Search): Fast Forward with switchable automatic stop at the next piece of music, Fast Rewind with automatic stop at the start of the piece just played • Tape Selector for Metal Tape, CrO₂ or Normal • DNR system (Dynamic noise Reduction) for high efficiency suppression of unwanted noise on cassette playback and radio reception • Lockable Fast Forward/Rewind • Electronic tape transport monitor • Extra long life Hard Permalloy Tape Head • Extra wide frequency response 35-18,000 Hz!

Blaupunkt Night-Design. Non-glare internally illuminated front panel.

Connections. 2 Loudspeakers • Pre-amp Out • Automatic Aerial.

Power Output. 2 x 10 Watt RMS.



BLAUPUNKT



FM Stereo

MW

LW

SW

Station Memory

Station Search

4 x 20 W Music
4 x 15 W RMSForward/Reverse
lockableCPS +
Autoreverse

Dolby®

Sendust Head

40-16,000 Hz

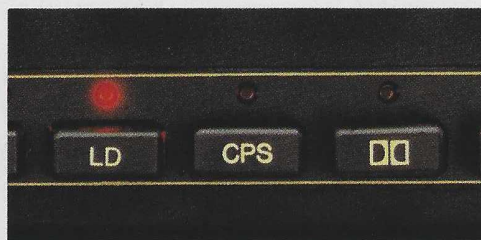
Night Design

The consequence is an in-car radio as functional as the other dash controls.

Blaupunkt Berlin SQR 83.

An In-Car Stereo Component system, i.e. with independent tuner, cassette deck and amplifier • All radio functions can be switched and controlled by means of a separate control display on a swan-neck • Full operating comfort, high precision tuning and control by means of intelligent use of microelectronics • Digital Frequency Indication on LC Display • Station Search in both directions • 16 stored stations (4 each for LW/MW/SW/FM)

- Cassette Deck with Autoreverse mechanism
- CPS • Dolby® NR System • Sendust tape head • AVC • 4 x 20 Watt (RMS) • Output Power.



Cassette Programme Search. The CPS means the control of your music with the speed, comfort and safety of modern electronics • At the touch of a button, the tape is wound forward to the next number or back to the last piece played, and is then automatically switched to Play.



Fader. With the Fader, you can have absolute control over the distribution of sound to the front and rear loudspeakers, so that you can hear your music in perfect harmony with your personal taste and the acoustic conditions of your car interior.



Autoreverse. Get more joy out of sound through greater comfort • At the end of your tape, a mechanism automatically switches it to the opposite track • No more fiddling to turn the cassette over!



LC-Info-Display. This is an exemplary solution to the problem of controlling the main radio functions at one glance • The PLL Quartz Synthesizer tunes the transmitter to the precision of a measuring device • The wide surface LC Display shows the frequency selected • The preset Search Sensitivity is shown on the dot display • And you can see you are receiving a programme in stereo on a separate segment • This is Failsafe Control for your greater Driving Safety.

**NIGHT
DESIGN**



Technical Information:

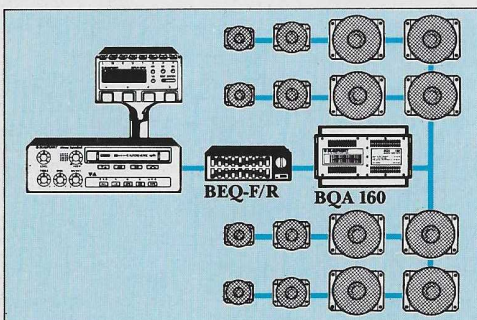
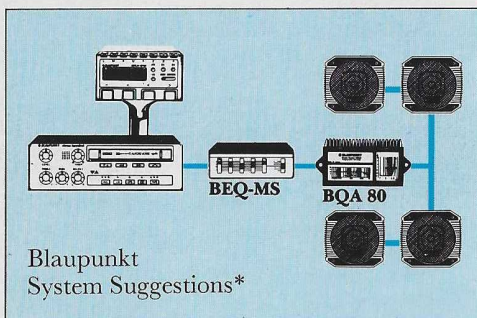
Tuner. 4 Wavelengths: FM stereo, MW, LW, SW • 16 stored stations • High Tuning precision by means of the PLL Frequency Synthesizer (QTS), Scanner tuning steps: 12.5 kHz (FM) • Cassette Programme Search in both directions • Last Station Memory • Digital Frequency Indication on the LC Display • Digital Frequency control (DFC) • Stereo/Mono Switch.

Cassette Deck. Stereo sound reproduction • Autoreverse mechanism: automatic track switching at the end of one side of tape • CPS (Cassette Programme Search): forward with switchable automatic stop at start of next piece of music, reverse with automatic stop at start of the piece just played • Dolby® Noise Reduction • Sendust Tape Head • Frequency Range: 40-16,000 Hz • Tape Selector Fe201/CrO₂/Metal • Automatic cassette ejection in the event of tape disorders • Automatic Cassette/Radio Switch-Over • LED Control Display. **Amplifier Unit.** AVC (Automatic Volume Control), according to vehicle noise • LED segment display • Frequency Range: 30-16,000 Hz • Separate Controls: Stereo Balance, Treble, Bass, Volume, Fader • Loudness switch • Quadro output stage - 4 separate outputs, Output Values conform to DIN 45500 • Output Power: 4 x 20 Watt.

Connections: 4 Loudspeakers • Automatic Aerial. **Automatic Volume control.** Comfort is Safety • By means of the AVC, the preset volume of radio and cassette is automatically adjusted in conformity with the noise of the vehicle interior • So manual control is rendered largely superfluous.

Automatic Track Logic. The hallmark of the top class cassette deck is the autoreverse mechanism • At the end of the tape, the other side is automatically played • So it is no longer necessary to turn the cassette over • And, of course, it is also possible to change track at any stage.

Dolby®/Triple Tape Selector Switch. Dolby® NR is the proven Hi Fi method for the reduction of tape noise on cassette playback • The triple tape selector ensures precise adaptation to Normal, Chrome Dioxide and Metal cassettes.



* You will find further system combination possibilities on page 31.

ELECTRONIC
CLIMATE
CONTROL

WARMER



COOLER



OFF

ECON

LO

AUTO

HI

OUTSIDE TEMP



°C °F



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CPS

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BLAUPUNKT
NEW YORK SQR 05

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MP3

DOLBY SYSTEM



FM Stereo	MW	LW	Tuning Search	Station Memory	Lock-on (logical) Fast Forward/Rewind	Autoreverse + CPS	Tape Selector	Dolby®	Sendust Head	40-16,000 Hz	Preamp Output	Night Design
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Dolby® is a registered trade mark of Dolby Laboratories Inc.

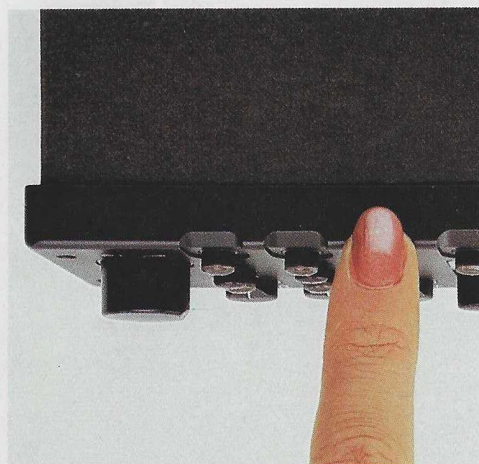
Fascination of Form and Function.

Blaupunkt New York SQR 05.

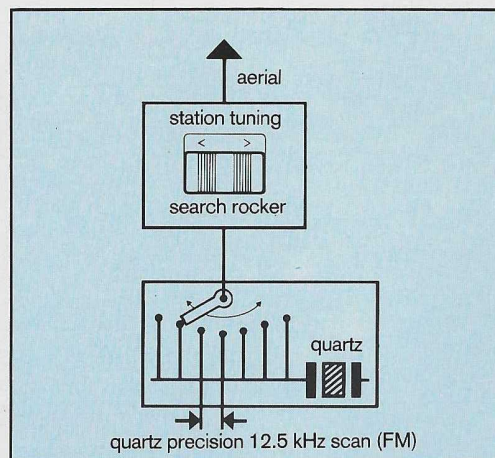
Technologically perfect, built for the future in comfort and design • Tuner-Cassette combination with integrated preamp: designed for combination with an amplifier • Outstanding radio reception with PLL synthesizer and tuning search, 12.5 kHz scanning (FM) • Digital LCD Frequency Display • 3 Wave-lengths • 6 triple-position preset buttons • Automatic Loudness: full sound range at all volumes • Dolby® noise reduction for low noise cassette playback • Autoreverse mechanism with lock-on forwards and rewind, Track Logic • Cassette Search CPS for rapid location of particular pieces of music • Tape Selector • Differential tone adjustment with separate treble and bass controls.

Weight: approx. 2.1 kg.

Ref. No.: 7 644 884 010

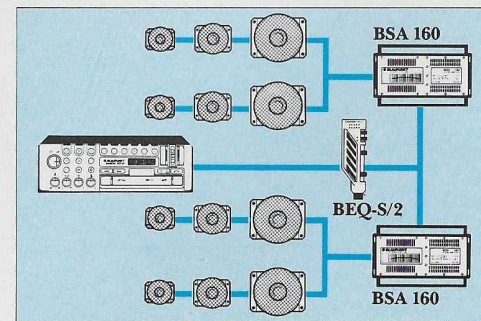
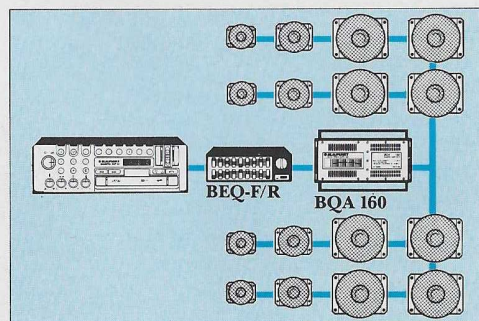
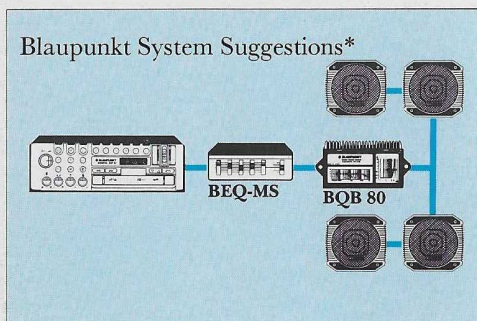


All controls arranged for good visibility in functional groups • Flat Design • Touch Aids guide the finger to the desired button • Fail-safe control, even without looking.



The tuning concept of the **New York SQR 05:**

A Quartz Tuning System (QTS) sets the station with quartz precision; the PLL circuit holds it with quartz stability. The exact setting of the station is automatically checked and, when necessary, readjusted.



* You will find further system combination possibilities on page 31.

Technical Information:

Tuner. Stereo reception on FM • FM, MW, LW • Quartz Tuning System (QTS) with high-precision PLL synthesizer (12.5 kHz fine tuning on FM) • Microcomputer controlled Tuner Search in both directions on all wavelengths • Two Search Sensitivities • Manual Tuning for station programming • Digital Frequency Display (LCD) • Six 3-position Preset Buttons (Matrix Memory) • Last Station Memory • Stereo/Mono switch.

Cassette Deck. Stereo Playback • Autoreverse mechanism with automatic track change (cassette ejection/reloading unnecessary) • CPS (Cassette Programme Search): Fast Forward with switchable automatic stop at the next piece of music, Fast Rewind with switchable automatic stop at beginning of last piece played • Automatic Loudness for full sound range at all volumes • Lock-on Fast Forward and Rewind with Track Logic • LED Track Display • Electronic Tape Transport Monitor • Automatic Cassette Ejection for tape transport disorders • Tape Selector from Normal to Metal/CrO₂ • Dolby® Noise Reduction for extra low noise cassette playback • Extra long life Sendust Head • Special Wide Frequency Response of 40-16,000 Hz

Amplifier. Separate controls for treble and bass • Balance control • Fader for Sound distribution to front and rear loudspeakers • Four-channel output • Automatic Loudness.

Blaupunkt Night Design. Non-glare illumination of control panel.

Connection Terminals. Pre-amp Output • Motorized Aerial.





FM Stereo

MW

LW

SW

Tuner Search

Station Memory

Lock-on (logical)
Forward & Rewind

Autoreverse

Tape Selector

Dolby® DNR

Hard Permalloy
Head

40-18,000 Hz

4 x 8 Watt rms

Night Design

Dolby® is a registered trade mark of Dolby Laboratories Inc.

Digital and powerful.

Blaupunkt Toronto SQR 45.

Combined car radio-cassette with especially attractive features • 4 Wavelengths • Precision quartz tuning with PLL synthesizer • Tuner search in both directions • Digital Frequency Display on an outstandingly clear transreflective TLC/D Display • 20 preset facility (5 each on FM, MW, LW, SW).

Dolby® Noise reduction for noise-free cassette playback and, in addition, DNR for noise reduction on both radio (FM) and cassette • Autoreverse mechanism with lock-on forward and rewind • Track Logic • Cassette Program

Search (CPS) for rapid location of particular pieces of music • Tape Selector. Separate controls for treble and bass • Automatic Loudness: full sound range whatever the volume • 4 x 8 Watt power output • Night Design.

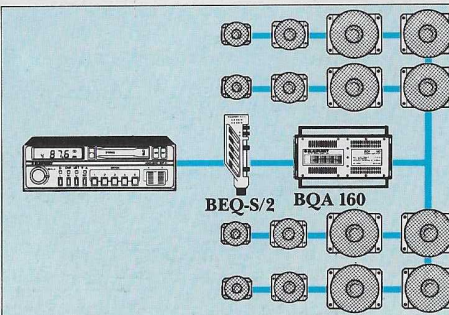
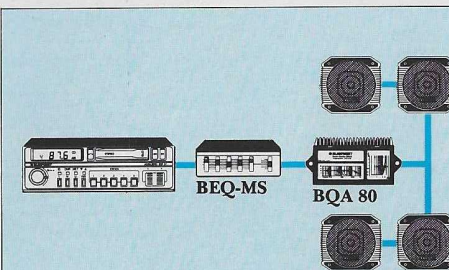
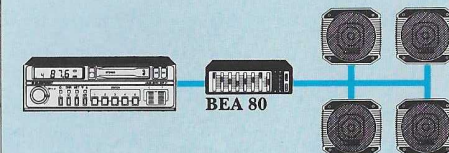
Weight: approx. 1.9 kg.

Ref. No.: 7 643 888 010.



TLC Display. Wide surface, intense colour, and outstanding contrast under all light conditions and from every angle; the transreflective display on the Toronto SQR 45.

Blaupunkt System Suggestions*



* You will find further system combination possibilities on page 31.

Technical Information:

Tuner. Stereo FM reception • FM, MW, LW, SW • Quartz Tuning System with high precision PLL synthesizer (12.5 kHz fine tuning on FM) • Micro-computer controlled Tuner Search in both directions for all 4 wavelengths. Search sensitivity can be switched in 2 stages • Digital Frequency Display using transreflective TLC display system • Five 4-position Station Memory location (matrix) for FM, MW, LW and SW, with digital read-out of wavelength and preset station on the display • Last Station Memory (automatic storage of last station on) • Mono/Stereo switchover • DFC (Dynamic Frequency Control) • DNR (Dynamic Noise Reduction) for high efficiency noise suppression on both FM radio and cassette • Automatic Loudness: full acoustic range at all volumes • Separate controls for treble and bass • Balance.

Cassette Deck. Stereo playback • Auto-reverse Mechanism with automatic track switchover (no need to turn over the cassette) • Cassette search system CPS (Cassette Program Search): forward with switchable automatic stop at next piece of music, Rewind with switchable automatic stop at beginning of last piece played • Lock-on Fast Forward and Rewind with Track Logic • Tape Selector with Metal/CrO₂ and Normal • Dolby for low-noise cassette playback of Dolby system recordings • Hard Permalloy Tape Head • Frequency Response: 40-18,000 Hz.

Blaupunkt Night-time Design. Non-glare illuminated front panel.

Connections: 4 Loudspeakers and automatic motorized aerial.

Power Output. 4 x 8 Watt rms.





FM Stereo

MW

LW

Station search

Station Memory

2 x 10 W rms

Tape Selector

Lockable Forward
and Reverse

Autoreverse

DNR

Hard Permalloy
Tape Head

40 - 16,000 Hz

Night Design

Dolby® is a registered trade mark of Dolby Laboratories Inc.

PLL-Synthesizer-Precision plus Sound-Fascination.

Blaupunkt Montreal SQR 24.

This system is fascinating in its technology, and inspiring in its design; it is the new PLL Class Full Stereo combination • PLL Quartz Tuning System with electronic search • 15 preset station memory • Dynamic Noise Reduction (DNR), for noise reduction on radio reception and cassette reproduction • Digital Frequency Display on the full-colour, sharp-contrast TLC Display • Autoreverse cassette deck with track logic • Wide frequency range: 30–16,000 Hz • Night Design.



TLC Display. Large surface, intense colour with striking contrast under all light conditions and from every angle. This is the new transfective display on the Montreal.

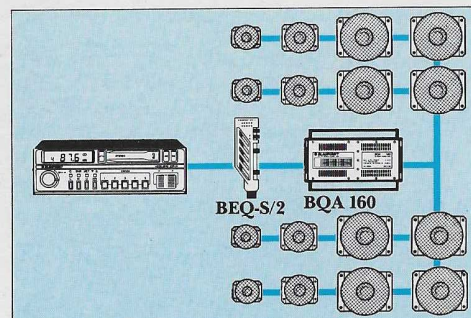
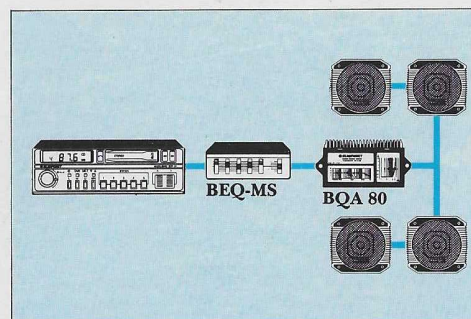
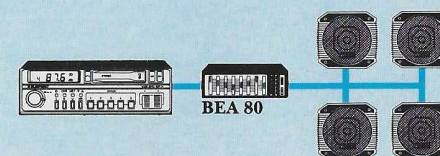


Search. Tap the rocker switch – the Montreal electronic search system then automatically finds the next receivable station and tunes into it with quartz precision.

£ 219.05 + UAT.
£ 153.34 + UAT.

Dynamic Noise Reduction (DNR), for noise reduction on radio reception and cassette reproduction.

Blaupunkt System Suggestions*



* You will find further system combination possibilities on page 31.

Technical Information:

Tuner. FM Stereo Reception • FM, MW, LW • Quartz Tuning System (QTS) with high precision PLL Frequency Synthesizer (12.5 kHz FM fine tuning) • Microcomputer-controlled station search, in both directions, for FM, MW, LW • Search Response with 2-position setting (using the Stereo/Mono switch) • Digital Frequency Display in colour on the LC Display • Five triple position preset station buttons (Matrix memory) for FM, MW and LW, digital indication of the selected store area on the LC Display • Dynamic Noise Reduction (DNR): Noise Reduction for radio and cassette • Last Station Memory (automatic storage of last station selected) • Mono/Stereo switch • Combined control for bass and treble • Balance control, with finely tuned central click position • Automatic Loudness: full sound at any volume.

Cassette Deck. Stereo reproduction • Autoreverse mechanism with automatic track-change (no need to turn the cassette) • Tape Selector from Normal to CrO₂ and Metal tape • Electronic tape run monitor • Lockable fast forward and reverse (with track logic): forward is always forward, and reverse is always reverse • Dynamic Noise Reduction (DNR): noise reduction for both cassette and radio • Electronic cassette ejection in event of tape run disorder • Durable Hard Permalloy Tape Head • Frequency Range: 30–16,000 Hz.

Night Design. Dazzle-free illumination of front panel. **Output Power.** 2 x 10 Watt (r.m.s.).

Connections: 4 Loudspeakers • Automatic aerial.

**NIGHT
DESIGN**



FM Stereo

MW

LW

Station Search

Station Memory

2 x 10 W rms

Lockable
Forward/RewindHard Permalloy
Tape Head

40 - 16,000 Hz

Night Design

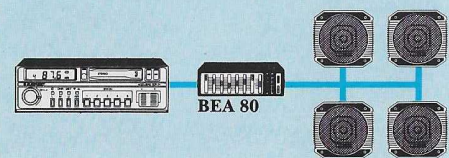
The Latest in reception and digital display.

Blaupunkt Boston SQM 23.

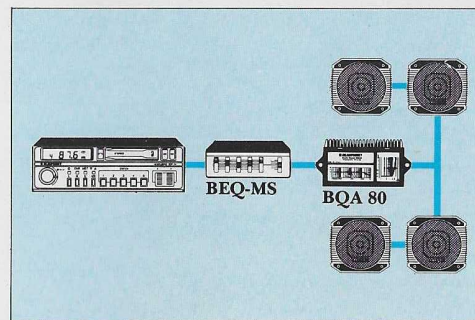
The New Quartz Class System: A Full Stereo Combination, with high precision PLL Tuner Unit, and powerful cassette deck

- Functional Design, especially easy to operate
- Digital Indication of Frequency and Station Store area on the large surface, colour LC Display
- 15 station memory
- Cassette deck with lockable fast run (forward/reverse).

Blaupunkt System Suggestions*



* You will find further system combination possibilities on page 31.



£177.14 + VAT
£124.00 + VAT

New Technology, bringing even easier tuning and even better control: this is the colour transreflective LC Display (TLCD) on the Boston SQM 23. Its striking contrast ensures excellent legibility from every angle, and even in bright and direct light every detail has clear contours. Information at a glance by day and night.

NIGHT DESIGN

The Night Design of the Boston SQM 23: Letters and Symbols on the controls are illuminated from inside, with no dazzle. This provides sure and confusion-free control, even in the dark.

Technical Information:

Tuner. FM Stereo reception • FM, MW, LW • Quartz Tuning System (QTS) with high precision PLL Frequency Synthesizer (12.5 kHz FM fine tuning) • Microcomputer-controlled station search in both directions for FM and MW • 2-position Search Response (using Mono/Stereo switch) • Digital Frequency Display on the colour LC Display • 5 triple-position preset station buttons (Matrix memory) for FM, MW and LW • Last Station Memory (automatic store of last station selected) • Mono/Stereo switch • Combined Control for treble and bass • Balance Control with finely tuned central click position.

Cassette Deck. Stereo reproduction • Lockable fast forward and reverse • Durable Hard Permalloy tape head • Frequency range: 40-16,000 Hz.

Night Design. Ease of operation even in the dark, by means of this dazzle-free front panel, illuminated from inside • Function indication in colour on the illuminated LC display and the illuminated cassette compartment.

Output Power. 2 x 10 Watt (r.m.s.).

Connections: 4 loudspeakers (2 x 2 in parallel)
• Automatic Aerial.



FM Stereo

MW

LW

Station Store

2 x 10 W rms

Forward/Rewind
(logical)

Autoreverse
+ CPS

db®

Hard Permalloy
Tape Head

40–16,000 Hz

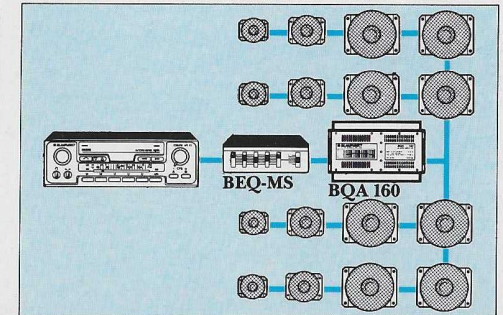
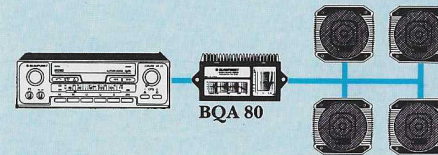
Night Design

Blaupunkt Melbourne MR 23 & Cambridge M 23.

These models differ only in the features offered on cassette • Both have a powerful radio receiver with manual tuning on three wavebands • 6 station memories (high-precision Omnimat mechanical selectors) • Night Design.

The cassette player on both units features lockable fast forward and reverse, and play-back is via a hard permalloy tape head. Melbourne adds Cassette Programme Search (CPS) and autoreverse with track logic, for added comfort in listening to cassette.

Blaupunkt System Suggestions*



* You will find further system combination possibilities on page 31.

Technical Information:

Melbourne MR 23

Tuner. FM Stereo reception • FM, MW, LW • Omnimat Station buttons, for 6 preset station memory: 3 x FM, 2 x MW, 1 x LW • Manual radio tuning • Stereo/Mono switch • Automatic Loudness, for full sound at any volume • Combined Control for treble and bass • Stereo balance control.

Cassette Deck. Stereo reproduction • Autoreverse mechanism with automatic track-change (No need to turn the cassette over!) • Lockable fast Forward and Rewind with Track Logic: forward is always forward, and reverse is always reverse • Colour Tape-Track Indicator • Electronic Tape Run Monitor with automatic cassette ejection in event of tape run disorder • Cassette Programme Search: at the touch of a button the tape is wound forward to the start of the next piece, or rewound to the start of the piece just played – automatically switched to Play • db-Noise Reduction (Blaupunkt System) • Durable Hard Permalloy Head • Frequency Range: 40–16,000 Hz.

Night Design. All indicators and symbols on the front panel and the cassette compartment are illuminated without dazzle.

Output Power. 2 x 10 Watt, RMS.

Cambridge M23

The specification is identical to Melbourne MR 23 except that Cambridge M 23 does not have autoreverse and Cassette Programme Search (CPS).

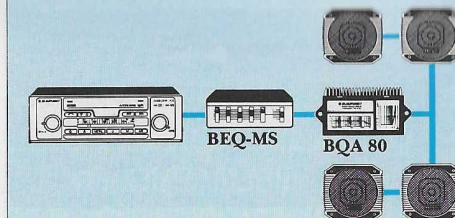
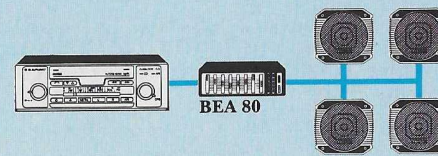
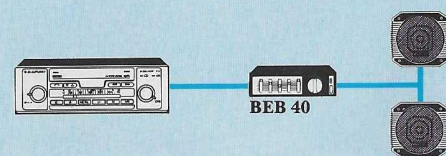


FM Stereo	MW	LW	2 x 10 W rms	Tape Selector	Forward Rewind lockable (Logical)	Autoreverse + CPS	db	Metal	Hard Permalloy Tape Head	40 - 16,000 Hz
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Blaupunkt Paris R 23.

Full Stereo Combination, with extra high quality Tape Deck — The Happy Sound on both radio and cassette • 3 waveband receiver • Autoreverse with track logic • Tape Selector • Cassette Programme Search (CPS) for rapid location of your favourite tracks • db Noise Reduction (Blaupunkt system) • 2 x 10 Watt Output Power (RMS).

Blaupunkt System Suggestions*



* You will find further system combination possibilities on page 31.

Technical Information:

Tuner. FM Stereo reception, FM, MW, LW • Stereo/Mono switch • Combined bass and treble control • Stereo Balance control with finely tuned centre click position.

Cassette Deck. Stereo reproduction • Autoreverse mechanism with automatic track-change (No need to turn the cassette) • Tape Selector: Normal/CrO₂/Metal Tape • Cassette Programme Search (CPS): Forward with automatic Stop at the start of the next piece of music, Rewind with automatic Stop at the start of the piece just played • Electronic tape run monitor • Lockable fast forward and rewind with Track Logic: forward always forward, rewind always rewind • db Noise Reduction (Blaupunkt System) for top quality cassette reproduction • Electronic cassette ejection in event of tape run disorders • Durable Hard Permalloy Tape Head • Frequency Range: 40–16,000 Hz.

Output Power. 2 x 10 Watt RMS.

Connections: 4 Loudspeakers (2 x 2 parallel) • Automatic Aerial.

The successor to the Paris R 23 is the Paris R 25 with integral fader control.



FM Stereo

MW

LW

2 x 10 W rms

Forward/Rewind
lockable (logic)

Autoreverse

db

Hard Permalloy
Tape Head

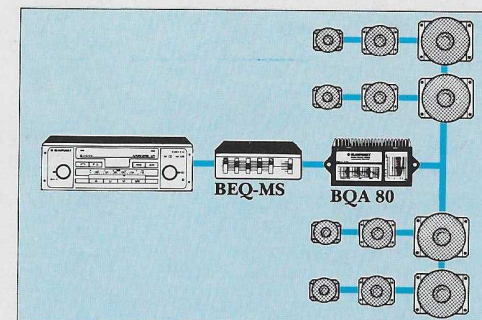
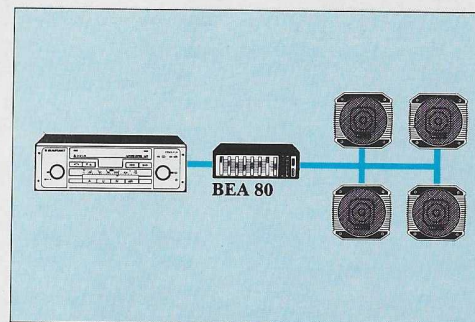
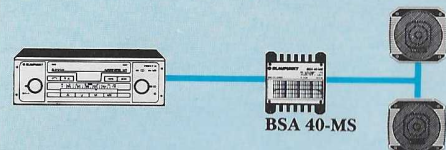
40–16,000 Hz

Blaupunkt Stockholm R 24.

This is the alternative to the Paris R 23 for the price-conscious • It has the same radio components, and a carefully modified cassette deck • FM, MW, LW • Autoreverse with Track Logic • db Noise Reduction (Blaupunkt system) • 2 x 10 Watt Output Power.

The Alternative. The major advantage of a large, finely graduated range is that you yourself decide how much equipment you want — and find exactly the system of your dreams. Here is one example.

Blaupunkt System Suggestions*



* You will find further system combination possibilities on page 31.

Technical Information:

Tuner, Output Power and Connections as for the Paris R 23.

Cassette Deck. Stereo reproduction, Lockable fast forward and rewind • Automatic cassette ejection in event of tape run disorders • db Noise Reduction for low-noise cassette reproduction • Durable Hard Permalloy Tape Head • Frequency Range: 40–16,000 Hz.



AUTOREVERSE



Autoreverse. The luxury level in the sound class: autoreverse is the technique that makes tape rewinding superfluous, since the mechanism automatically switches the tape to the other side when one is finished. But you can also of course switch it at any point you like on the tape, at the touch of switch.



Technical Information

Tuner. FM Stereo reception • FM, MW, LW, selected by pushbutton • Manual Station tuning • FM fine tuning (ETC) • Automatic FM Noise reduction (ASU) • Mono/Stereo switch • Automatic loudness, for full tone range at any volume • Combined treble and bass control • Stereo Balance control.

Cassette Deck. Stereo reproduction • Lockable fast forward and rewind • Automatic cassette ejection at end of tape and in event of tape run disorder • Durable Hard Permalloy tape head • db Noise Reduction (Blaupunkt system) • Frequency Range: 60–14,000 Hz.

Output Power. 2 x 10 Watt, (rms).

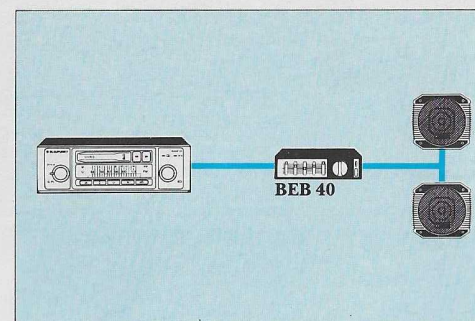
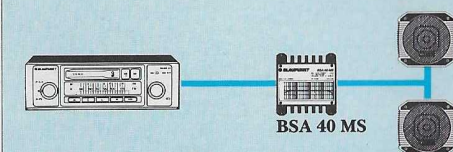
Connections. 2 loudspeakers and automatic aerial.

FM Stereo	MW	LW	2 x 10 W rms	Lockable Forward and Rewind	db	60–14,000 Hz
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Blaupunkt Porto 24.

This model is exemplary of its class: it is a Full Stereo Combination with a remarkably advantageous quality/price factor • 3 wavebands • Automatic noise reduction for FM • Lockable fast wind in both directions • Electronic Tape Run Monitor.

Blaupunkt System Suggestions*



The button for greater listening pleasure. In order to ensure that you will hear as much music and as little tape noise as possible, the Porto R 24 has db Noise Reduction. This is a Blaupunkt system, and its efficiency is astounding. At the mere touch of a button.

* You will find further system combination possibilities on page 31.



Technical Information:

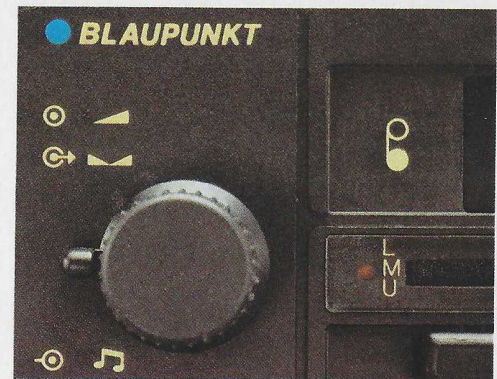
Tuner. Stereo FM reception • FM, MW, LW • FM fine tuning control (ETC) • Combined controls for treble and bass • Automatic Loudness for full audio range at all volumes • Stereo Balance control.

Cassette Deck. Stereo Playback • Lock-on Fast Forward • Durable Hard Permalloy Tape Head • Separate Cassette Eject Button • Frequency Response: 60–12,500 Hz.

Power Output. 2 x 10 Watt rms.

Connection Terminals. 2 Loudspeakers • Automatic Motorized Aerial.

Perfection down to the last detail. On/Off, Treble/Bass and Stereo Balance – a multitude of functions which you can operate from just one single unit. So access is rapid and operation is safe. And your complete concentration remains where it belongs – on the road.



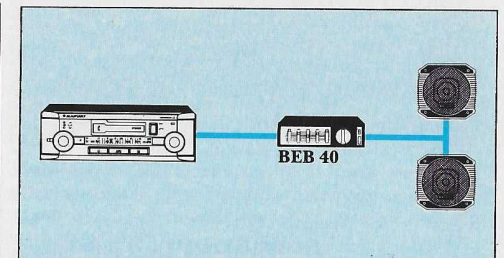
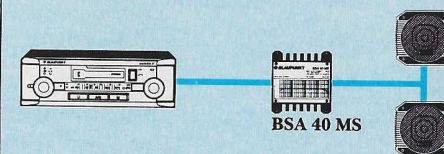
FM Stereo	MW	LW	2 x 10 W rms	Lock-on Fast Forward Rewind	Hard Permalloy Tape Head	60–12,500 Hz
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Blaupunkt Bristol 24.

Firstly, a wide-ranging tuner, and secondly all the acoustic pleasure of a full stereo cassette deck! • Tuner with 3 wavelengths • Automatic Loudness: full acoustic range irrespective of volume • Cassette Deck with lock-on Fast Forward • Output Power 2 x 10 W (rms).

Ref. No.: 7 644 541 412
Weight: approx. 1.3 kg.

Blaupunkt System Suggestions*



* You will find further system combination possibilities on page 31.



Technical Information

Tuner. FM Stereo reception • FM, MW, LW and SW • FM 2-way station search, with Automatic Muting • Electronic station store buttons for switching to 3 FM stations • Last Station Memory • Stereo/Mono switch • LED dial • Combined bass and treble control • Stereo Balance Control.

Night Design. Dazzle-free illuminated front panel.

Output Power. 2 x 10 Watt RMS.

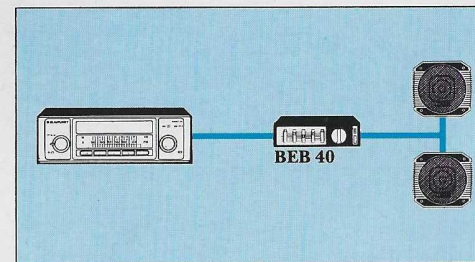
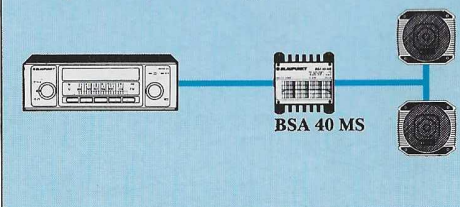
Connections. 2 loudspeakers (with Fader: 3-4) • Car Cassette Deck • Automatic Aerial.

FM Stereo	MW	LW	SW	Station Search (FM)	Station Store (FM)	2 x 10 W rms
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Blaupunkt Oslo SM 21.

High Value Stereo in-car radio, with ample electronic comfort • FM Station Search, with 3 station memory on rocker switches • Microcomputer for precise station tuning • Four Wavelengths • Night Design, i.e. easy to operate even in the dark.

Blaupunkt System Suggestions*



* You will find further system combination possibilities on page 31.

Stereo Tape Deck ACR 931.

This high performance deck is available in the UK only on special order, in contract quantities.



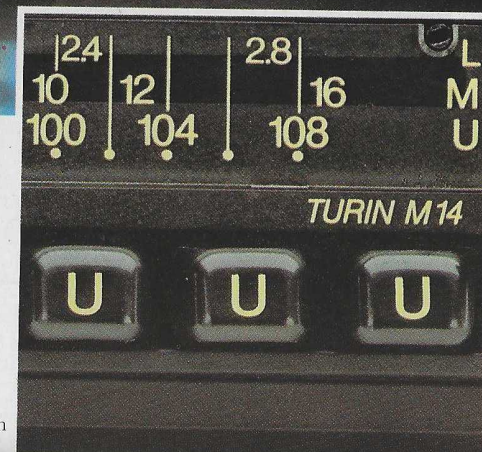


FM	MW	LW	Station Buttons	9 Watt Music 8 Watt RMS
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Blaupunkt Turin M 14.

Blaupunkt's best Mono radio • Six station buttons for your favourite stations
• Three Wavelengths • 9 Watt Music Power,

Station buttons make the preset station easy to locate.



Technical Information:

Tuner. Mono reception • FM, MW, LW • Omnimat station buttons for six preset stations: 3 x FM, 2 x MW, 1 x LW • Combined treble and bass control.

Output Power. 9 Watt (Music), 8 Watt (RMS).

Connections. 2 loudspeakers (parallel) • In-Car Cassette Deck, automatic aerial.

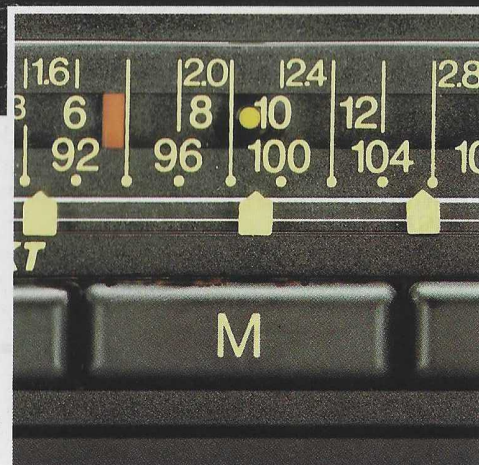


FM	MW	LW	10 Watt Music 9 Watt RMS
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Blaupunkt Amsterdam 12.

Low-cost standard in-car radio, Mono
• Functional and easy to operate • Two
Wavelengths • 10 Watt Music Power.

A practical suggestion: with the adjustable station
markers you can mark the position of your three
favourite stations.



Technical Information:

Tuner. Mono reception • FM, MW and LW.
Output Power. 10 Watt (Music), 9 Watt (RMS).
Connections. 2 loudspeakers (parallel).

High Powered Response. Blaupunkt Amplifiers, Equalizer-Amplifiers and Equalizers.

Of course, if you have selected our Memphis SQR 04, you will in any case need a separate amplifier, since this particular New Blaupunkt Music Machine is a "deck" with only pre-amp output. This means that you yourself decide from the word "go" exactly how much driving power you require. But in the other cases? More power and greater tone control — how important do you rate that?



The More Music Components.

One thing is certain: once you have chosen a Blaupunkt car radio, have opted for Blaupunkt car loudspeakers, and have seen that everything has been expertly installed, you will have all the basic requirements for high quality sound in your car. There are no ifs or buts about it. However, different people have different demands. And, of course, these demands can rapidly develop. It is then that you will see how right you were to decide on an in-car hi-fi system which can grow with your desires, in other words a Blaupunkt system, with its huge range of add-on hi-fi components... as you will be able to see on the next few pages.

Power Base.

We begin with the amplifiers. These set the foundations for increased power, and upgrade your Blaupunkt system with extraordinary output data. For example, with the BQA 160, the system is brought to a resounding 4 x 40 W. And even that amp. can be effortlessly upgraded in further combinations.

So you will have the best possible basis for putting your system in "overdrive". But it is not the volume that really counts — it's the quality!

At heart it is the same as for a car engine. Power in reserve is the keynote of true mastery. Power that can be applied at will does full justice to quality.

To Blaupunkt, that is the meaning of in-car hi-fi: still crystal-clear at peak levels, and exhilarating even at low volume. Pure Music to the ears!

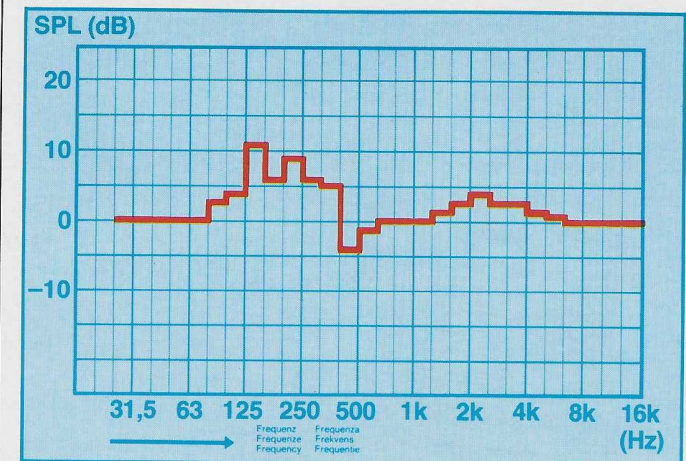
Hertz and Soul.

With an equalizer you can accentuate or attenuate individual frequency ranges at will. The importance of this fact is that the overall sound picture can be adapted precisely to match your wishes and to suit the acoustic conditions of your car interior.

The BEQ-F/R is a particularly striking example of this control. It is an equalizer which first and foremost has extremely fine staging of the adjustable frequencies. In addition, it has separate controls for the front and for the rear of the car interior. Consequently, it offers even the most picky of passengers an extraordinarily fine range of sound adjustment. In other words, each Blaupunkt equalizer opens up specific areas of application. One basic principle unites them all: Sound-to-measure for your car.

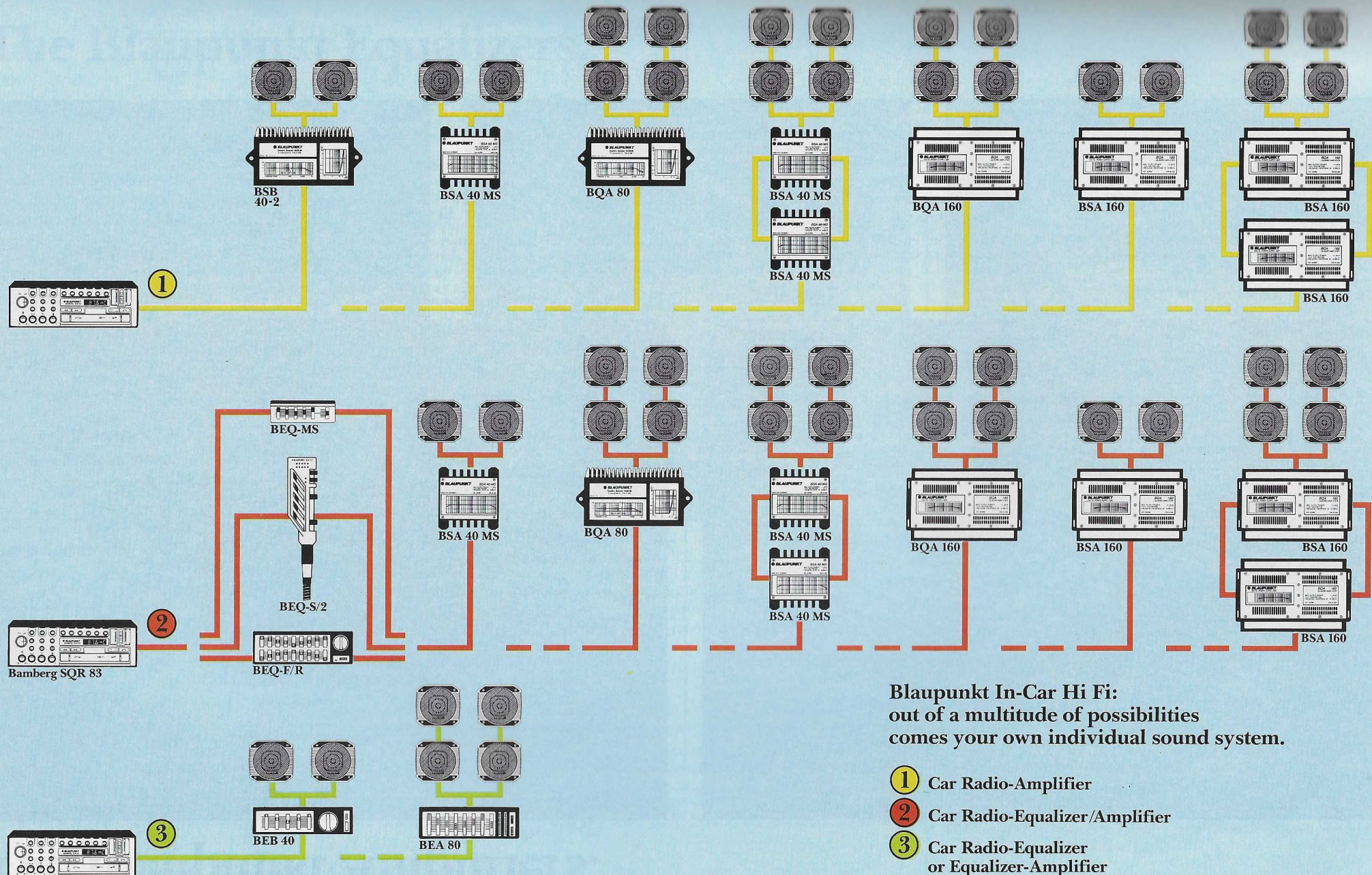
Precision plus Power.

The BEA 80 and the BEB 40 are combination units: they are equalizer-amplifiers, i.e. amplifiers with a special tone control unit. So they provide both greater output power and full tone control at will. You can see for yourself: they are well prepared for more power and more music: in other words, for your greater driving pleasure.

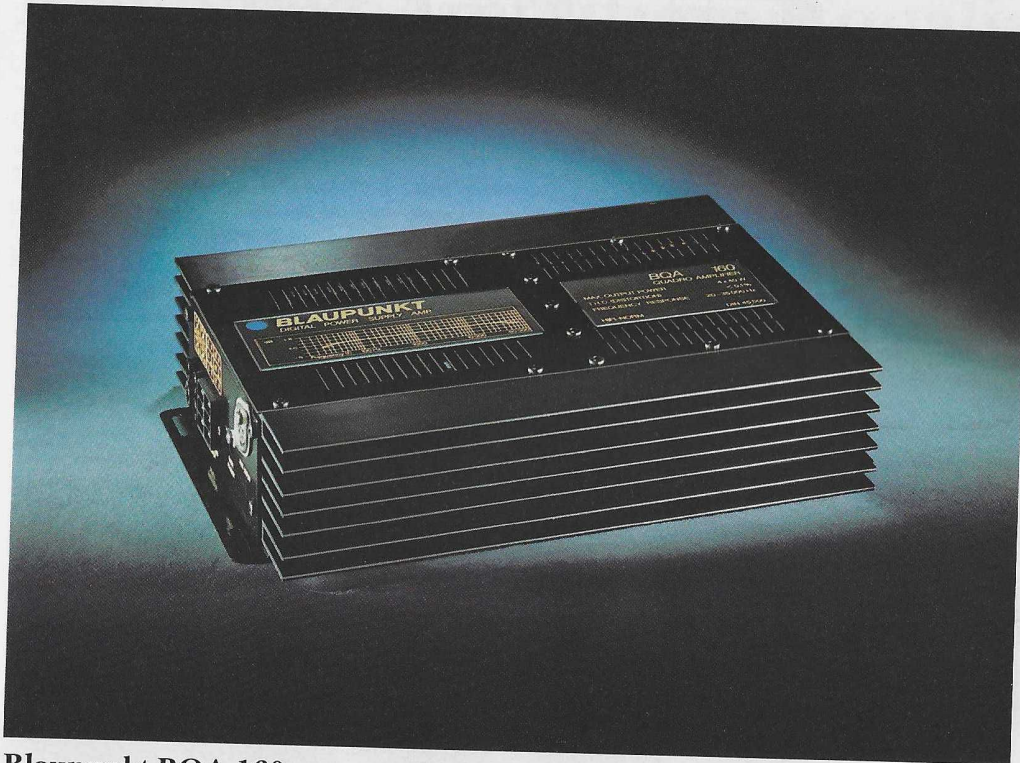


Active Tone Control! Because each car sounds different.

Our graph illustrates the theory which explains an audible reality: the apparent volume of sound inside the car varies, depending on the frequency. To be precise, each car is itself a tone control unit. The trouble is that it modifies tone at random, and you are powerless to stop it. That is why an active sound control component is so important. Controlling music in precisely the way you want to hear it — the *raison d'être* for Blaupunkt equalizers.



The Blaupunkt Amplifiers.



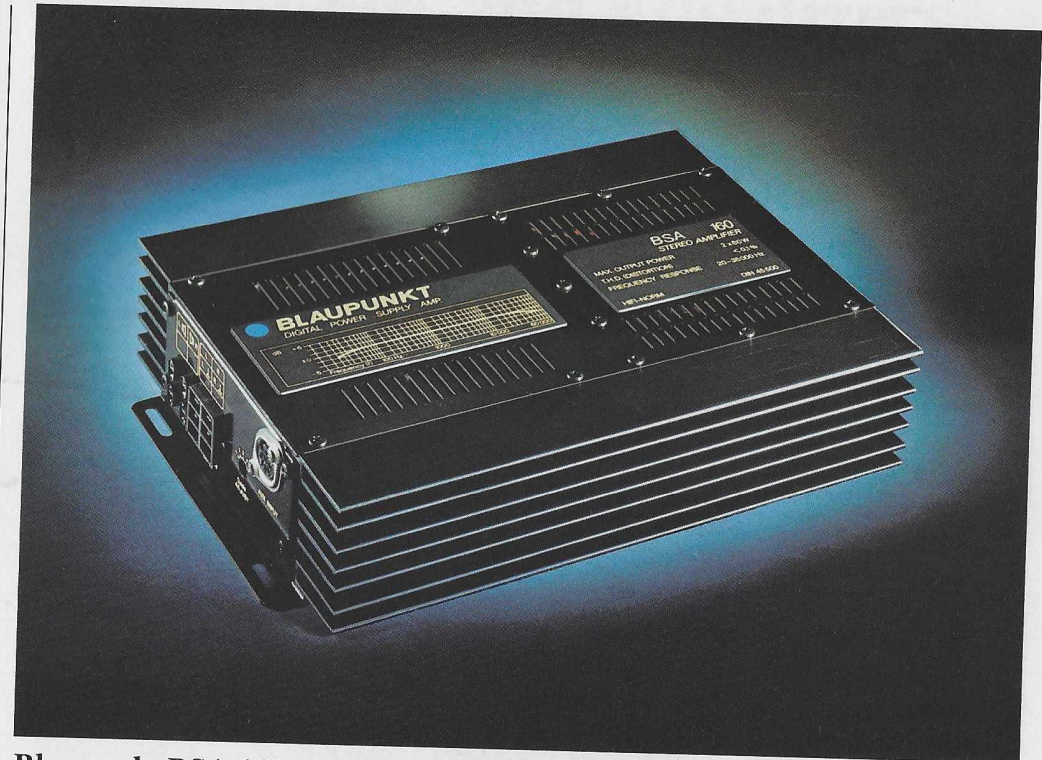
Blaupunkt BQA 160

Ref. No.: 7 607 384 010

High power, 4-channel amplifier with digital logic conversion. For car hi-fi systems of the top power class. 4 x 40 Watt (music) output will provide massive sound reserves for practically all conditions — thereby providing complete mastery of all tone control settings.

Technical Information.

Power Output: 4 x 40 Watt (Music)
4 x 30 Watt (rms)
Frequency Response: 20–35,000 Hz
Total Harmonic Distortion: < 0.1%
(f = 1 kHz, P = 4 Watt)
Crosstalk: > 60 dB
Noise voltage: ≥ 0.2 mV
Output values conform to HiFi Standard DIN 45.500.
Inputs: Pre-amp Input (DIN socket) and Loudspeaker Inputs.
Outputs: Terminals for 4 loudspeakers.
Dimensions (WHD): 264 x 57 x 180 mm.
Weight: approx. 2.7 kg.



Blaupunkt BSA 160

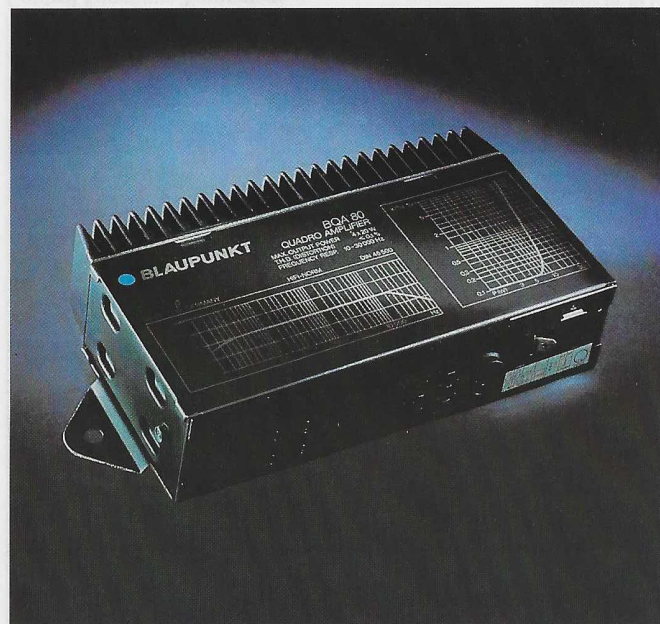
Ref. No.: 7 607 392 010

The alternative Top Power model: a 2-channel amplifier from the exclusive High End Component Class. Digitalized DC converter, 2 x 80 Watt (music) — and still designed for even greater power extension.

Technical Data.

Output Power: 2 x 80 Watt (Music)
2 x 60 Watt (rms)
Frequency Response: 20–35,000 Hz
Total Harmonic Distortion: < 0.1%
(f = 1 kHz, P = 4 Watt)
Crosstalk: > 60 dB
Noise Voltage: ≥ 0.2 mV
Output values conform to HiFi Standard DIN 45.500.
Inputs: Pre-amp Input (DIN socket), and Loudspeaker Inputs.
Outputs: Terminals for 2 loudspeakers.
Dimensions (WHD): 264 x 57 x 180 mm.
Weight: approx. 2.7 kg.

The Blaupunkt Equalizers.



Blaupunkt BQA 80

Ref. No.: 7 607 393 010

Compact power unit with 4 x 20 Watt power output — simultaneously a high power and fitter-friendly Quadro Amp with impressive hi-fi data. 20 Watt music power per channel provides you with ample power for conversion into sound.

Technical Data.

Output Power: 4 x 20 Watt (music)
4 x 15 Watt (rms)

Frequency Response: 10–30,000 Hz

Total Harmonic Distortion: 0.1% (at 1 kHz, 4 W into 4 Ohm)

Crosstalk: > 50 dB

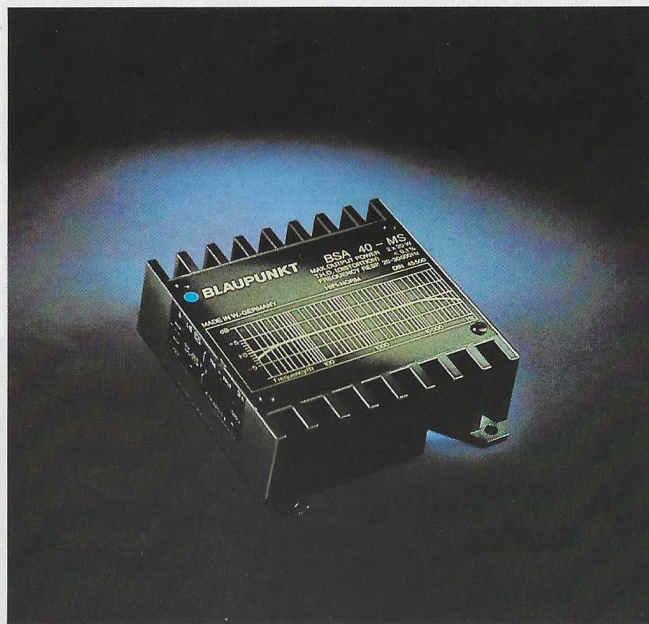
Output values conform to HiFi Standard DIN 45.500.

Inputs: Pre-amp Input (DIN socket) and loudspeaker inputs.

Outputs: Terminals for 4 loudspeakers.

Dimensions (WHD): 176 x 43 x 106 mm.

Weight: approx. 0.9 kg.



Blaupunkt BSA 40-MS

Ref. No.: 7 607 228 010

Extremely compact stereo amplifier with 2 x 20 Watt peak music power. Its dimensions provide the solution to awkward installation conditions, while its outstanding specification will recommend it to the demanding listener.

Technical Data.

Output Power: 2 x 20 Watt (Music)
2 x 15 Watt (rms)

Frequency Response: 20–30,000 Hz

Total Harmonic Distortion: < 0.1% (f = 1 kHz, P = 10 Watt)

Crosstalk: > 55 dB

Noise Voltage: ≥ 0.2 mV

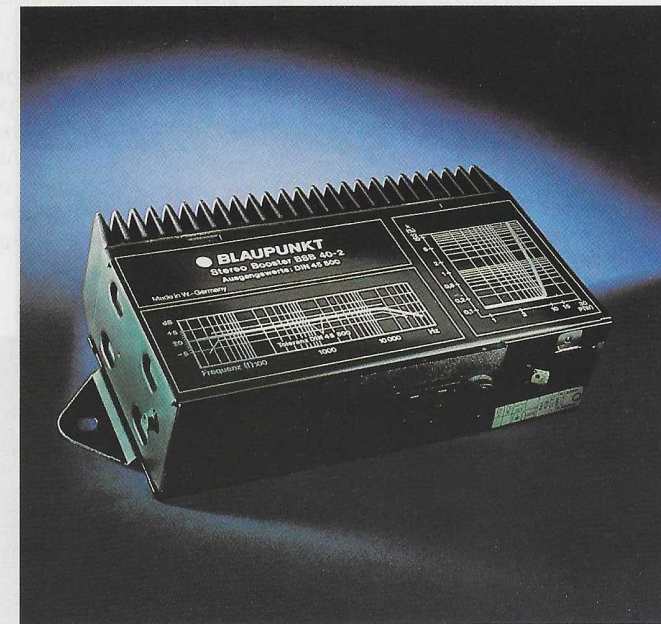
Output values conform to DIN 45.500 (HiFi Norm).

Inputs: Pre-amp Input (DIN socket), and loudspeaker inputs.

Outputs: Terminals for 2 loudspeakers.

Mini-Size Housing (WHD): 106 x 32 x 102 mm.

Weight: approx. 1.1 kg.



Blaupunkt BSB 40-2

Ref. No.: 7 607 378 110

Stereo Booster, with 2 x 20 Watt music power. Two loudspeaker outputs. The sound system booster/car radio can also be used with 4 loudspeakers.¹⁾

Technical Data.

Output Power: 2 x 20 Watt (Music)
2 x 15 Watt (rms)

Frequency Response: 30–16,000 Hz

Distortion Factor: < 0.1%

Intermodulation Distortion: > 55 dB

Noise Voltage: ≤ 0.2 mV

Output values in accordance with hi-fi standard DIN 45.500.

Inputs: Loudspeaker Inputs.

Outputs: Connections for 2 loudspeakers.

Dimensions (WHD): 174 x 43 x 106 mm.

Weight: approx 0.8 kg.

¹⁾ Using a fader unit and special wiring, 2 additional loudspeakers may be operated at the output of the stereo car radio.

Blaupunkt Equalizer-Amplifiers.



Blaupunkt BEA 80

Ref. No.: 7 607 390 010

This is an equalizer-amplifier with an extra-fine staging of the controlled frequency range and a high output power into 4 separate outputs — and all within compact dimensions! Monitored at a glance with the (switchable) Peak Level power indicators for each channel. Linear switch for cancelling the tone control functions. Fader. Blaupunkt Night Design: all controls are illuminated.

Control Functions/Equipment.

7 finely graduated slider controls with centre-lock position for individual tone adjustments. Integrated fader for sound distribution to the front and rear loudspeakers. Separate monitor displays with Peak Level. Linear switch for cancelling the effect of tone settings. Pre-amp input.

Night-time Design.

Non-glare illuminated front panel.

Technical Data.

Power Output: 4 x 20 Watt (Music)
4 x 16 Watt (rms)

Adjustable frequencies:

60–150–350–800–2,000–4,800–12,000 Hz

Frequency Response: 20–30,000 Hz

Total Harmonic Distortion: < 0.1%

(f = 1 kHz, P = 4 Watt)

Noise Voltage: < 1 mV

Tone Control Range: ± 12 dB (for all controls)

Output values conform to DIN 45.500.

The BEA 80 can be connected to the loudspeaker outputs or to the Pre-amp Output of the car radio.

4 Loudspeaker Outputs

Dimensions (WHD): 140 x 44 x 167 mm.

Weight: approx. 1.6 kg.

**NIGHT
DESIGN**



Blaupunkt BEB 40

Ref. No.: 7 607 389 010

This is an equalizer-amplifier with 2 x 20 Watt peak music power and 4 loudspeaker outputs. There are slider controls for separate adjustments of five frequency ranges; Linear switch for cancelling the frequency control function; Extra large fader; Functional design in compact dimensions, attractive technology, attractive price!

Control Functions/Equipment.

5 finely graduated slider controls with centre-lock position, for individual tone adjustments. Integrated fader for sound distribution to the front and rear speakers. On/Off buttons for both equalizer and booster. Linear switch for cancelling the tone control function.

Technical Data.

Output Power: 2 x 20 Watt (Music)
2 x 15 Watt (rms)

Adjustable frequency ranges:

60–250–1,000–3,500–12,000 Hz

Frequency Response: 20–30,000 Hz

Total Harmonic Distortion: 0.1%

Amplification factor: 8.5 dB

Noise Voltage: < 1 mV

Tone Control Range: ± 12 dB (all controls)

Output values conform to DIN 45.500.

The BEB 40 can be connected to 4 loudspeaker outputs on the car radio.

4 Loudspeaker Outputs.

Dimensions (WHD): 140 x 38 x 167 mm.

Weight: approx. 1.0 kg.

The Blaupunkt Equalizers.



Blaupunkt BEQ-S 2.

Ref. No.: 7 607 380 010

The new BEQ-S 2 combines high value technical features with a strikingly dynamic design and exemplary practicability. This equalizer is just right for control within reach of the steering wheel, and the display system makes all adjustments understandable at a glance, day or night.

The new BEQ-S 2: sound control in the hand.

Control Functions/Equipment

5 sliders with position LEDs • Fader • Balance control • Separate control displays with LED chains (can be switched off) • Linear switch • Loudspeaker Inputs and pre-amp Input, Pre-amp Output • Blaupunkt Night Design.

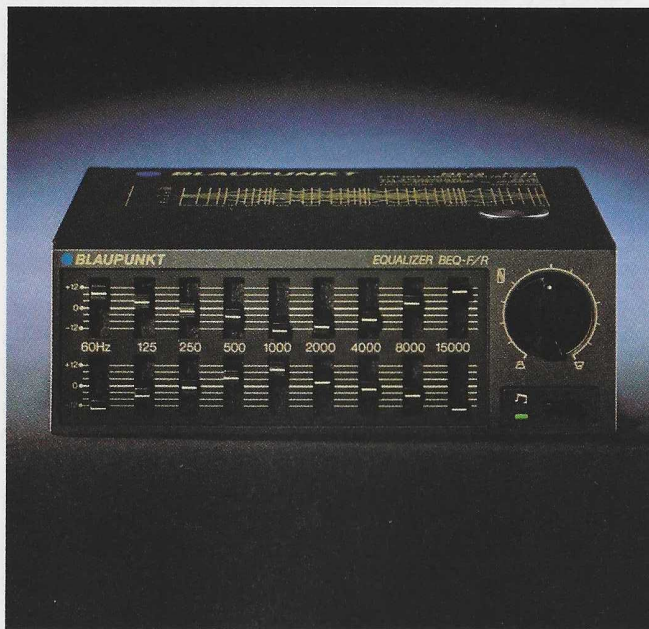
Technical Data:

Adjustable frequency ranges: 60–250–1,000–3,500–12,000 Hz • Frequency Response: 20–20,000 Hz • Total Harmonic Distortion: 0,05% • Crosstalk: > 60 dB • Signal-to Noise Ratio: > 65 dB • Tone Control Range: ± 12 dB (on all controls) • Output values conform to DIN 45.500.

Control Unit Dimensions (WHD): 53 x 160 x 23 mm •

Weight: approx. 1.5 kg

The BEQ-S 2 may be operated with all Blaupunkt car radios in combination with a Blaupunkt amplifier.



Blaupunkt BEQ-F/R.

Ref. No.: 7 607 388 010

This is our point of reference for hi-fi perfectionists: it is the first equalizer to have two sets of nine frequency controls – for separate fine tuning of the front and rear loudspeakers! There is additional optimum sound distribution via the integrated fader. The result is perfect adaptation to the acoustic conditions throughout the car interior.

Control Functions/Equipment

18 tone controls – 9 each for separate control of the front and rear loudspeakers • Integrated Fader • Linear switch, for cancelling the tone control function • Night Design • Loudspeaker inputs and Pre-amp input, Pre-amp output.

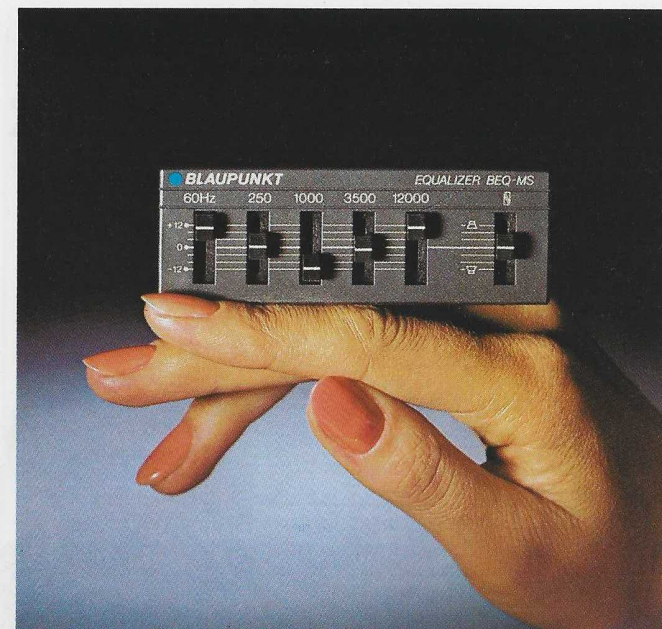
Technical Data:

Adjustable frequencies (separate for front and rear speakers): 60–125–250–500–1,000–2,000–4,000–8,000–15,000 Hz • Frequency Response: 20–20,000 Hz • Total Harmonic Distortion: 0,05% • Crosstalk: > 60 dB • Signal-to-Noise Ratio: 70 dB • Tone Control Range (for all controls) ± 12 dB • Output values conform to DIN 45.500.

Dimensions (WHD): 140 x 44 x 140 mm

• Weight: approx. 1.0 kg

The BEQ-F/R can be combined with all Blaupunkt car radios and with all Blaupunkt amplifiers.



Blaupunkt BEQ-MS.

Ref. No.: 7 607 387 010

This is an equalizer with special compact dimensions. The BEQ-MS is consequently the ideal solution for awkward installation conditions. The 5 separate frequency controls and the integrated fader ensure fine tone control and balanced sound distribution.

Control Functions/Equipment

5 sliders for individual frequency control • Integrated fader for precise sound distribution • Loudspeaker Inputs and Pre-amp Input, Pre-amp Output.

Technical Data:

Adjustable frequency ranges: 60–250–1,000–3,500–12,000 Hz • Frequency Response: 20–20,000 Hz • Total Harmonic Distortion: 0,05% • Crosstalk: > 60 dB • Signal-to-Noise Ratio: > 65 dB • Tone Control Range: ± 12 dB (all controls).

Dimensions (control unit) (WHD): 90 x 32 x 40 mm

Weight: approx. 1.0 kg

The Blaupunkt BEQ-MS can be combined with all Blaupunkt car radios when connected to any Blaupunkt amplifier.

Blaupunkt Car Loudspeakers.

In-Car Made-to-Measure Sound!

The function of a loudspeaker is to convert electrical energy into sound-waves. This principle is valid for all loudspeakers. However, depending on the specific tasks set, there are various different construction designs and types of speaker. We feel you ought to know something about them.

First measure, then listen!

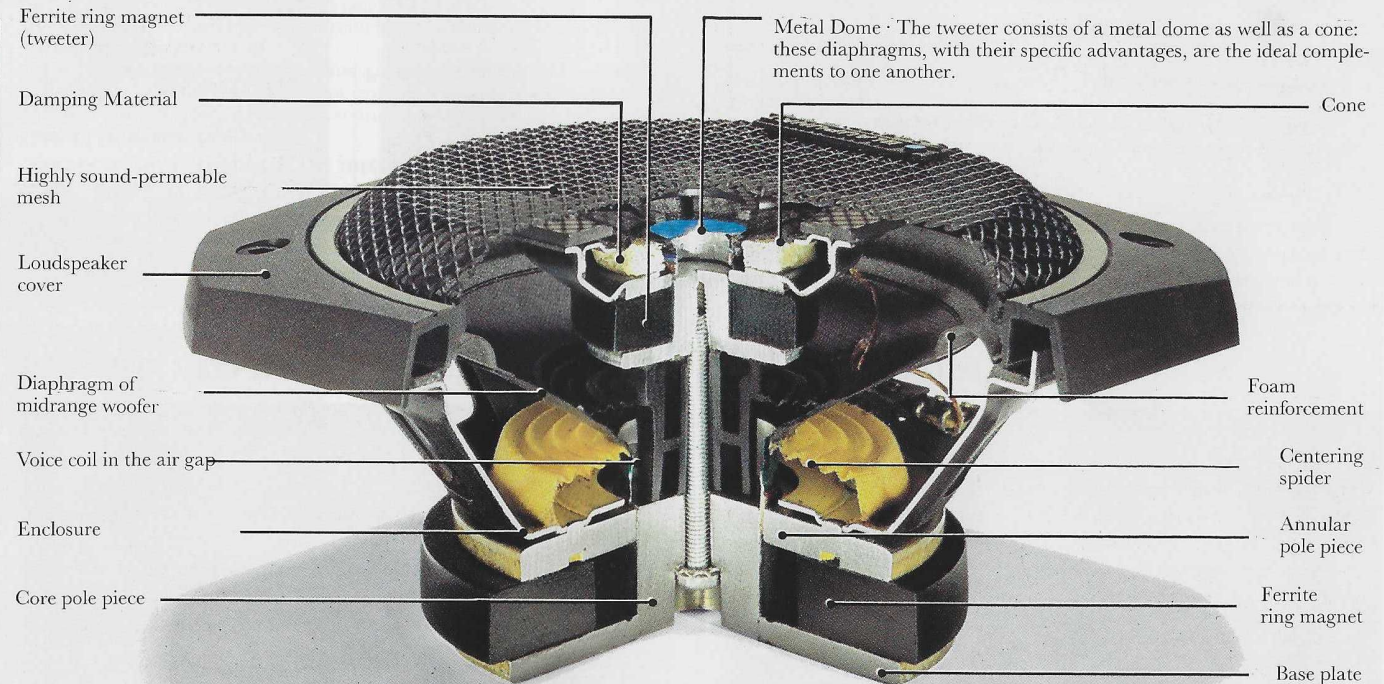
At Blaupunkt, we have principles which we apply uniformly to all our loudspeakers, from the R&D stage to the finished product, with audible results. This means, for example, that drawing-board design work and the final analysis of exhaustive technical tests are as important to us as appreciation by the human ear.

That is why practical in-car road tests and the trained ear of the specialist play such a large role in the development process. This testing phase is applied not only to the acoustic characteristics but also to the mechanical power handling ability and to the definition of the most suitable installation points in all important makes of car.

Objective: Sound. From all workstations.

Only after long and painstaking tests under all possible driving conditions, after constant innovations and detailed improvements, after all components of a loudspeaker system have been finely tuned and harmonized, only then is the knowledge obtained put into production.

For this production stage, Blaupunkt has the largest specialised manufacturing plant in Europe. Here, under computer control and with constant interruptions for rigorous measurement and listening tests, the result of our great expense emerges: Blaupunkt In-Car Loudspeaker.



The Golden Rule of Hi-Fi: Loudspeaker and Amplifier must be compatible.

Every amplifier, whether an integrated feature or a separate car hifi component, has its specific output power. And every loudspeaker has its maximum power handling capacity. Both characteristics are measured in Watts, and they must be compatible.

The basic principle is that your loudspeaker must be able to withstand more watts than the maximum that the amplifier can produce!



Inbuilt loudspeakers.

As the name says, loudspeaker of this group are recessed installations. Suitable fitting areas are the rear shelf (with this system the boot acts as a "closed chamber") and the doors and side panels (for extremely direct acoustic irradiation with short sounds paths).



Surface Mounted Loudspeakers.

In general these can be fitted without difficulty (i. e. both rapidly and inexpensively) in every vehicle. One of their acoustic advantages is that these surface mounted speakers are "closed chambers".



Broadband Systems.

Broadband loudspeakers have one diaphragm for the reproduction of their entire frequency range. A special type of design of these loudspeakers is the Dual Cone Loudspeaker: an additional special treble cone radiates the high frequencies over a very wide angle.



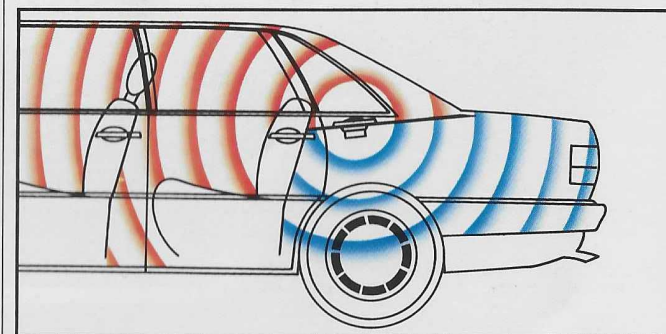
2-Way System.

Basically, 2-Way means two loudspeakers in one housing. Each speaker transmits the frequency for which it is particularly suited: one transmits the bass, while the other transmits the mid-range and high frequencies. The result is a remarkable balance of all-round sound. The extra special design of this type can be found in our Coaxial Loudspeakers. Here, Bass and Mid-Range/Treble are mounted on one common axis (hence the name coaxial). This system provides brilliant audio qualities within compact dimensions.



Sound Component System.

The modular 3-way system for audio exhilaration with no compromises. The principle of the system is the division of one hi fi box into tweeter/Mid Range/Bass: it can be installed in the most favourable acoustic positions in the vehicle interior, and each sound component is controlled through an external crossover network.



Using the Car Boot as Hi-Fi Box.

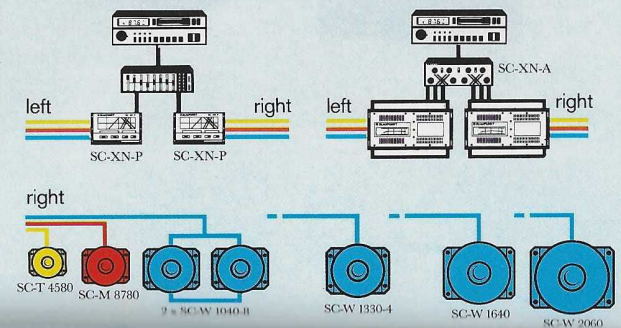
The basic requirement of perfect sound is to exploit all in-built advantages: the rear of the car is ideal for bass sound. If the woofer is installed in the cut-out back shelf the boot will act as a huge "closed chamber", the best condition for powerful bass.



Pure Music. The Sound Component System.

Uncompromising demands have to be met by exceptional

High Efficiency Hi-Fi!



The Sound Component System.

Uncompromising demands have to be met by exceptional designs. The new Blaupunkt Sound Component System is the result. In acts as our reference for the tone-conscious, who can afford to make perfection the yardstick of their requirements. Or, to put it simply, it is a hi-fi car loudspeaker of unprecedented quality.

Our principle: Specialist Units working as a Team.

In a number of respects, in-car hi-fi makes very different demands to those of domestic hi-fi. One reason is that the interior of each car creates its own specific acoustic conditions. Also, the design characteristics of the vehicle do not in general permit the installation of complex multipath boxes. The idea of the Blaupunkt Sound Component System is this: instead of having large 3-way boxes, we divide the system into separate treble, mid-range and bass components, each module being controlled via an external loudspeaker dividing network. In this way, each component performs the task for which it was designed.

Each component in the right place.

By this method, each individual loudspeaker can be made so compact and flat that there is even room to fit the entire system on the doors. There are distinct advantages to this method: each loudspeaker can be placed just where it is acoustically right. Short sound paths are possible, and sound is made to radiate in a natural manner.

A made-to-measure system for every car.

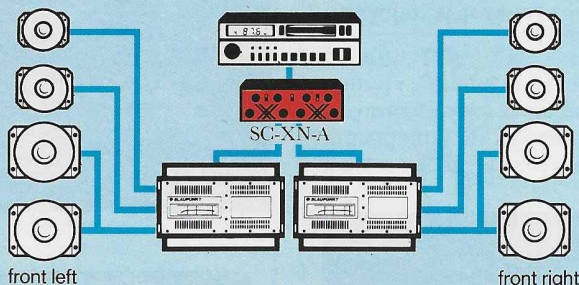
The best possible system can only be obtained by components which are exactly tuned to one another. For that reason, there is no combination that is right once and for all — each vehicle has to have its own carefully considered lay-out of loudspeakers and crossover networks.

That is why Blaupunkt now offers the concept of the made made-to-measure Sound Component System: three tweeters, five woofers and dividing network — all, in combination with the mid-range speaker, provide almost unlimited stereo possibilities. This modular principle gives you the certainty that Blaupunkt has finally developed the sound system which takes full account of the acoustic conditions of your car, transforming them into the fascination of pure pitch.

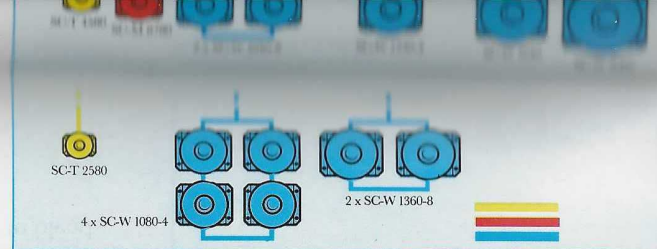
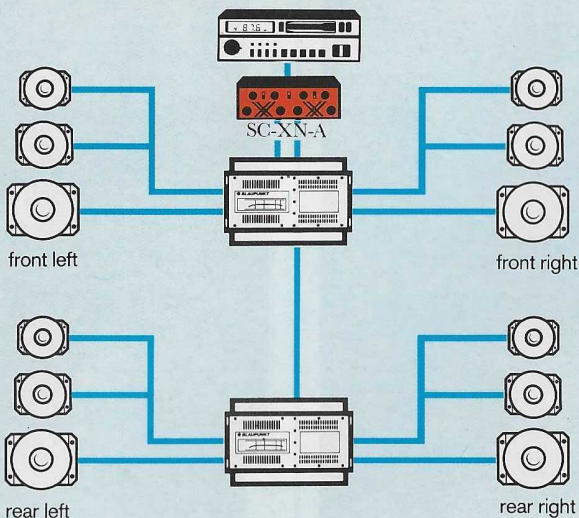
High Efficiency Hi-Fi!

One decisive factor is the fact that all the components, by any hi-fi standards, are highly efficient. Even at an output power of 2×8 watts they provide transmitted sound of astonishing quality. But, in addition, they are ideally suited for combination with one or more amplifiers, for a maximum music power of 80 watts!

Blaupunkt Combination Recommendation No. 1: The Power Music System.



Blaupunkt Combination Recommendation No. 2: A Top-Class System.



The Sound Component System.

Combined and fitted according to the conditions of car acoustics: frequencies are distributed separately through the Woofers (blue), Mid Range (red) and Tweeters (yellow): this process is controlled by an external crossover network. Loudspeaker output/efficiency is balanced in all combinations, but can be modified at the crossover network.

Blaupunkt SC-XN-A: The Active Crossover.

Switchable crossover frequencies, Full output level control for bass, mid-range and treble — this is an active electronic crossover, which converts the particular potential of the Sound Component System into a constantly variable sound picture with individual colouring. Precisely tuned to the conditions of in-car acoustics and to your personal audio requirements.



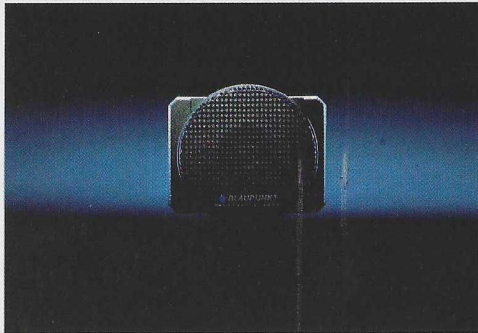
The Blaupunkt Sound Component System. We will go to any length for sound.



Blaupunkt SC-XN-P: The Passive Crossover.

Balanced audio spectrum by means of adjustable Input and Output frequencies for mid-range and treble. In addition, this crossover has adjustable sound level equalization between woofer and mid-range.

The purity of music.



Crystal clear trebles: the Tweeters:

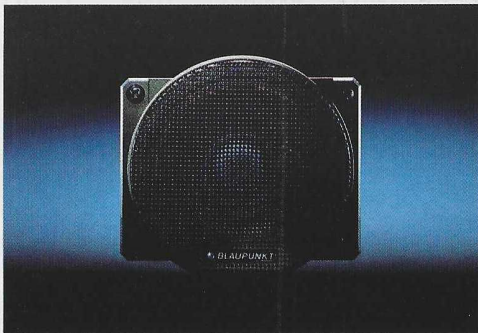
Blaupunkt SC-T 2580 (7 606 890 000)

Music Power: 80 watts
Frequency Range: 4,000–25,000 Hz
Sensitivity: 90 dB
System Diameter: 25 mm
Super-compact built-on Tweeter — only 12 mm high!



Blaupunkt SC-T 4580 (7 606 882 000)

Music Power: 80 watts
Frequency Range: 2,000–25,000 Hz
Sensitivity: 91 dB
System Diameter: 45 mm
Depth of Fitting: 18.5 mm



Clear and contoured mid-range speakers:

Blaupunkt SC-M 8780 (7 606 881 000)

Music Power: 80 watts
Frequency Range: 300–12,000 Hz
Sensitivity: 92 dB
System Diameter: 87 mm
Depth of Fitting: 27.5 mm



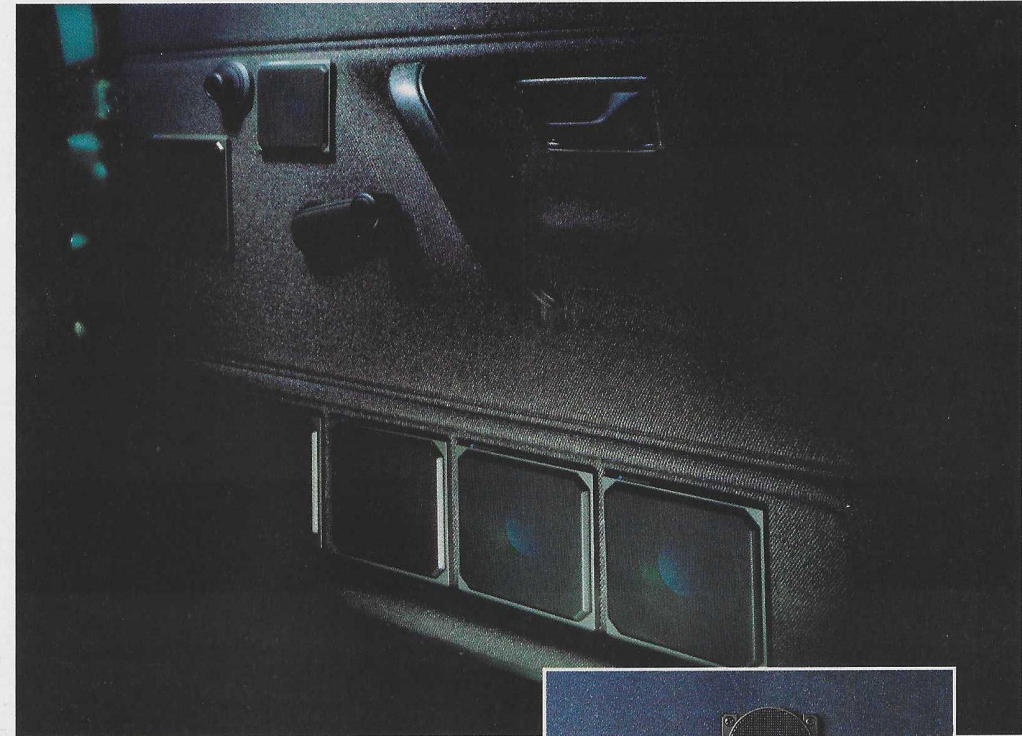
Powerful, distinct bass: Woofers.

Blaupunkt SC-W 1080-4 (7 606 880 000)

Music Power: 80 watts
Frequency Range: 40–4,000 Hz
Sensitivity: 93 dB
System Diameter: 100 mm
Depth of Fitting: 44 mm

Blaupunkt SC-W 1040-8 (7 606 888 000)

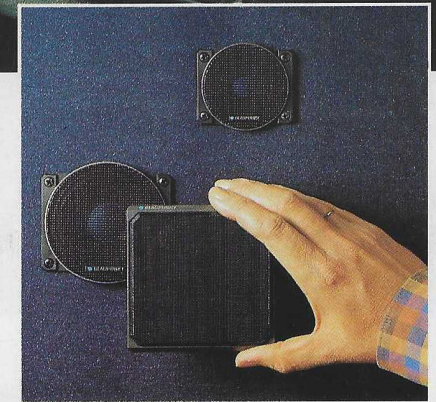
Music Power: 40 watts
Frequency Range: 45–4,000 Hz
Sensitivity: 90 dB
System Diameter: 100 mm
Depth of Fitting: 44 mm



This is a loudspeaker system to satisfy the individual. Our stylings have been developed according to the same principle, and the new Sound Component System is offered in two designs.

Modular M I: Clear contours, functional styling, a deliberately technical look. As an alternative, we can provide special front covers which can be fitted without problem to all components: so you have the alternative of ...

Modular M II: Markedly restrained, with a modest, simple look, this line is easy to integrate into the interior design of your particular car, since the covers can be sprayed in any colour you want in order to blend harmoniously with it.



The result is a system of made-to-measure function, form and colour. Your Blaupunkt Sound Component System.



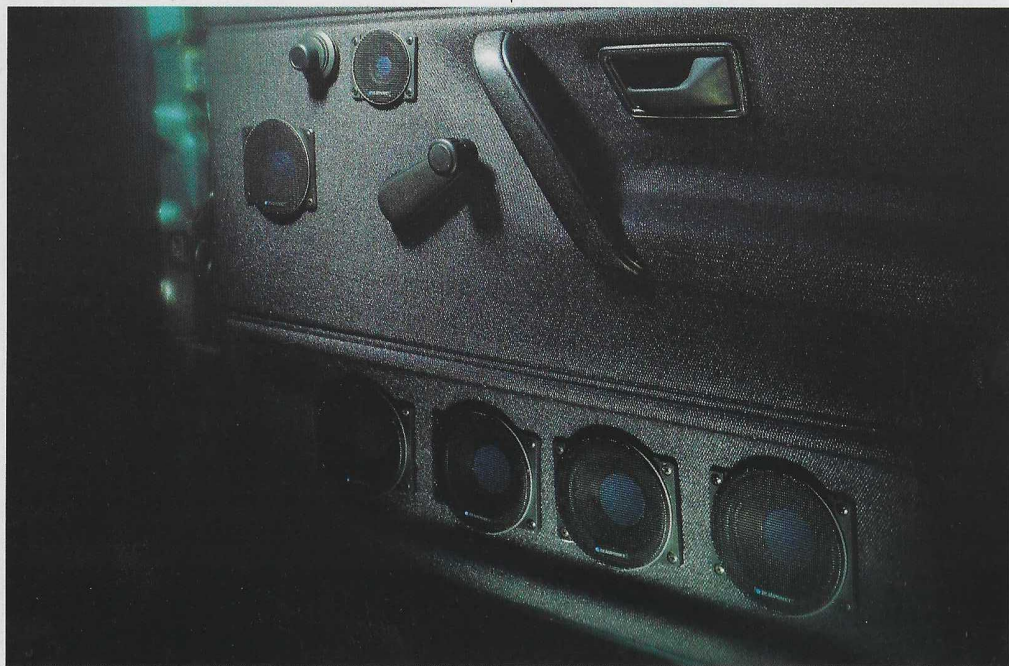
**Blaupunkt
SC-W 1330-4**
(7 606 892 000)
Music Power: 30 watts
Frequency Range:
45–2,000 Hz
Sensitivity: 91 dB
System Diameter:
130 mm
Depth of Fitting: 49 mm

**Blaupunkt
SC-W 1360-8**
(7 606 889 000)
Music Power: 60 watts
Frequency Range:
40–2,000 Hz
Sensitivity: 93 dB
System Diameter:
130 mm
Depth of Fitting: 49 mm



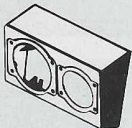
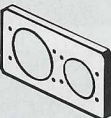
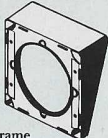
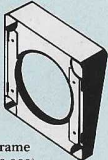
**Blaupunkt
SC-W 1640**
(7 606 924 000)
Music Power: 40 watts
Frequency Range:
40–2,000 Hz
Sensitivity: 92 dB
System Diameter: 192 mm
Depth of Fitting: 64 mm

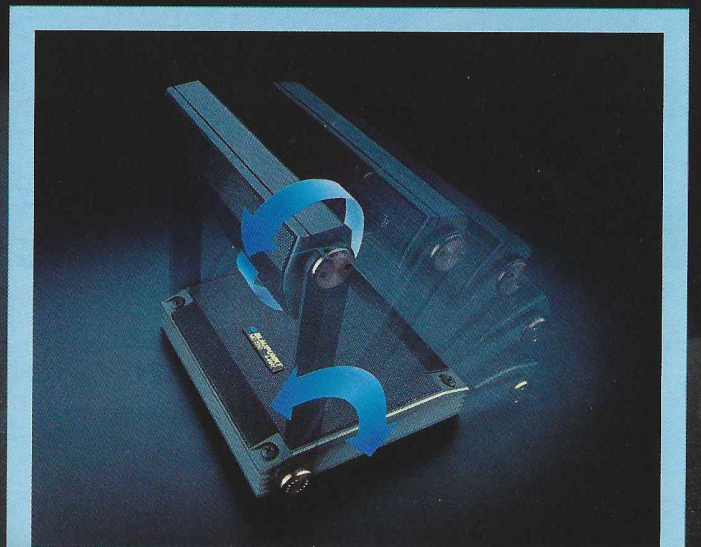
**Blaupunkt
SC-W 2060**
(7 606 778 000)
Music Power: 60 watts
Frequency Range:
35–1,000 Hz
Sensitivity: 94 dB
System Diameter: 200 mm
Depth of Fitting: 76 mm



Summary: Modular M I, Modular M II, and Mounting Frames

A synthesis of technology and design: the loudspeaker options meet your specific sound requirements and special covers transform the Modular M I range into the Modular M II design.

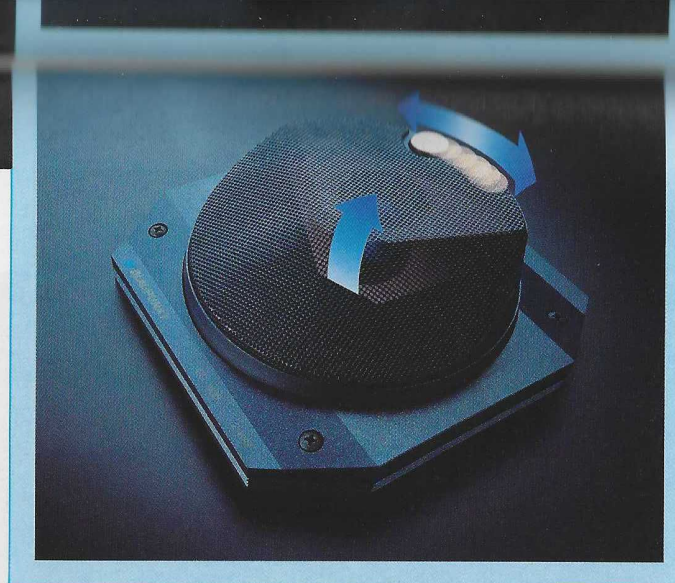
Modular M I		Modular M II		Mounting Frames for Modular M I – Modular M II		
Tweeter	 SC-T 2580 II (7 606 890 000)	 SC-T 2580 II (7 606 891 000)		 G-TM 25/87 (7 607 240 000)	Tweeter/Midrange Combination for: VW: Golf/Jetta/Passat/Polo	
	 SC-T 4580 (7 606 882 000)	 G-T 45 (7 607 237 000)				
Midrange	 SC-M 8780 (7 606 881 000)	 G-M 87 (7 607 232 000)		 G-TM 45/87 (7 607 238 000)		 (7 607 260 000) 12/84 →
						 (7 607 261 000)
Woofer	 SC-W 1040-8 (7 606 888 000) SC-W 1080-4 (7 606 880 000)	 G-W 10 (7 607 233 000)	 G-W 10-2 (7 607 235 000)	 Woofer Double Frame (7 607 241 000)	 Woofer Spacer Frame (7 607 252 000)	
	 SC-W 1330-4 (7 606 892 000) SC-W 1360-8 (7 606 889 000)	 G-W 13 (7 607 234 000)		 Woofer Spacer Frame (7 607 242 000)	 Woofer Spacer Frame (7 607 251 000)	
	 SC-W 1640 (7 606 924 000)	 G-W 16 (7 607 257 000)		 Woofer Spacer Frame (7 607 249 000)	 Woofer Spacer Frame (7 607 250 000)	
	 SC-W 2060 (7 606 778 000)	 G-W 20 (7 607 239 000)		 Woofer Spacer Frame (7 607 258 000)	 Woofer Spacer Frame (7 607 259 000)	



Blaupunkt Blue Magic Line. Multi-Directional Model Range.

Blaupunkt Blue Magic Line stands for car loudspeakers which sound as enthralling as they look. We call it acoustic and optical tuning to the car interior, or, more simply, car hi-fi to be both seen and heard. With the new Multi-Directionals, Blaupunkt presents a remarkable solution to the specific acoustic problems of listen-

ing while you drive. High and middle frequencies are directional, in other words they need to be beamed from a position which makes them easy to locate: the ideal arrangement is to aim them towards the ear of the listener. That is why Blaupunkt Multi-Directionals can be pivoted both horizontally and vertically.



Blaupunkt MD 1350 4-Way

4-Way System with impressive audio characteristics, multi-directional adjustment facility and a strikingly attractive design. 135 mm woofer, dome-type mid-range/tweeter, 2 piezo tweeters with differential controls via the crossover network.

Ref. No.: 7 606 923 000

Power Handling, Music/RMS: 50/20 Watt

Frequency Response: 50-23,000 Hz

Efficiency (1 Watt at 1 metre): 91 dB



Blaupunkt MD 1690 2-Way

2-Way System with multi-directional control of high frequency transmission path, for individual compatibility with the acoustics and installation conditions of the car interior. Outstanding bass reproduction through the wide woofer face.

Ref. No.: 7 606 922 000

Power Handling, Music/RMS: 90/45 Watt

Frequency Response: 50-22,000 Hz

Efficiency (1 Watt at 1 metre): 92 dB



Blaupunkt MD 1360 2-Way

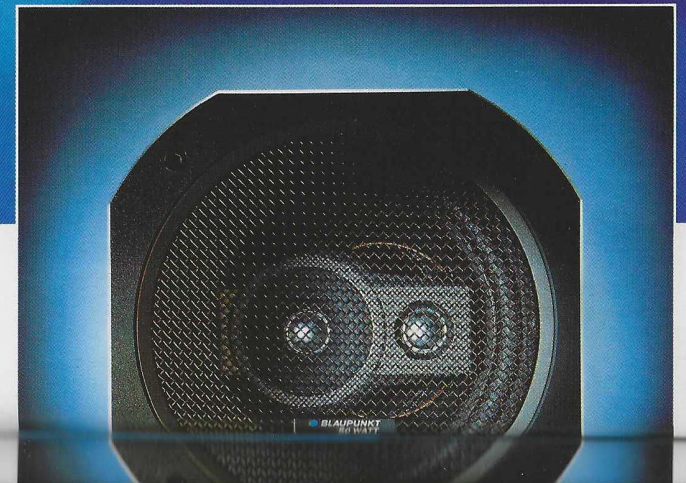
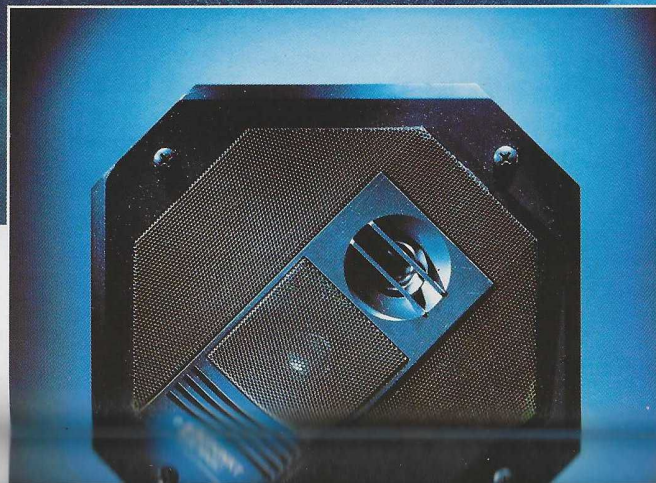
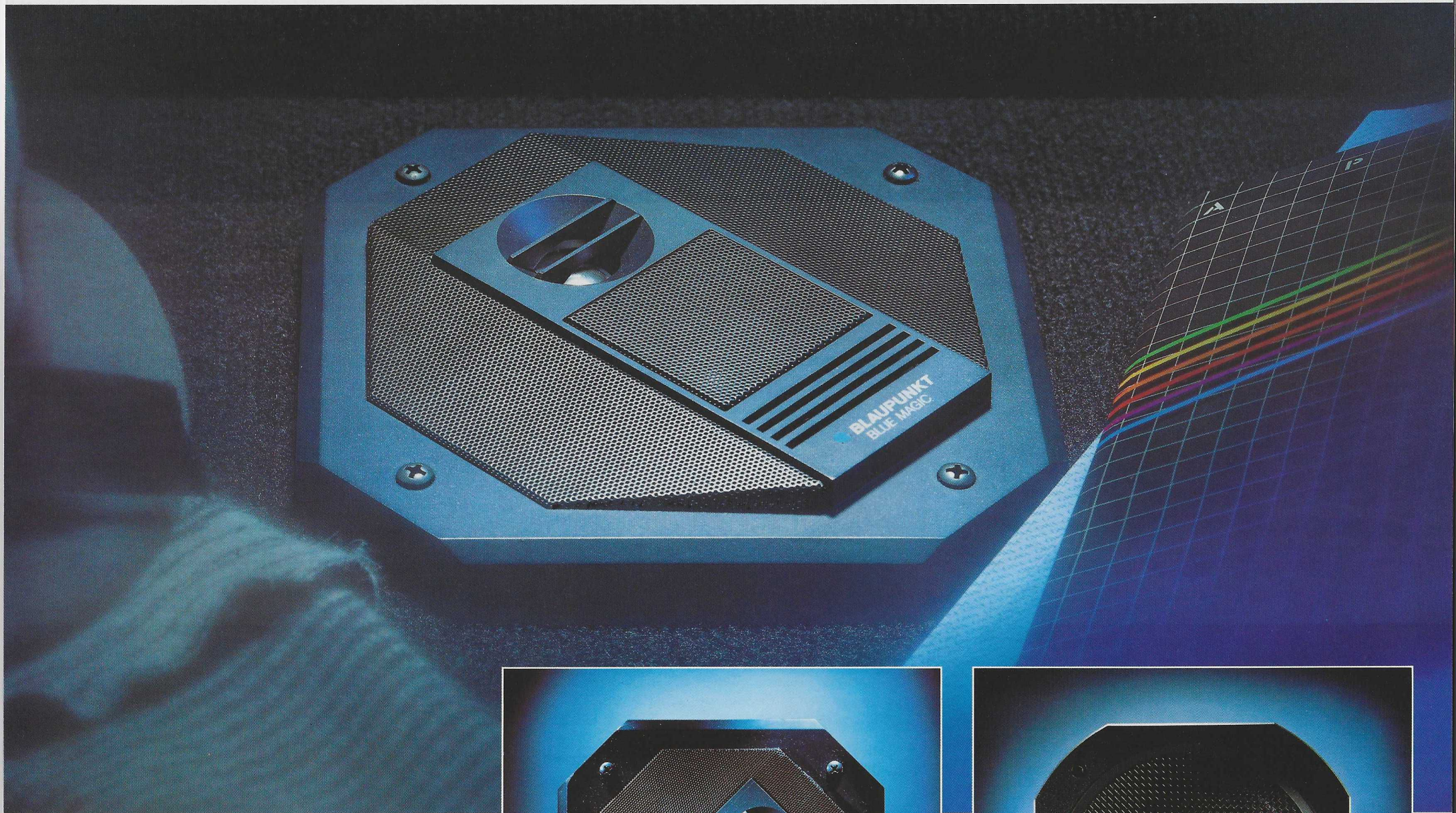
High value 3-Way System with the special design advantages of the Multi-Directional model range: cone-type tweeter with directional control by knurled knob and additional directional adjustment by rotating the entire system.

Ref. No.: 7 606 921 000

Power Handling, Music/RMS: 60/25 Watt

Frequency Response: 40-22,000 Hz

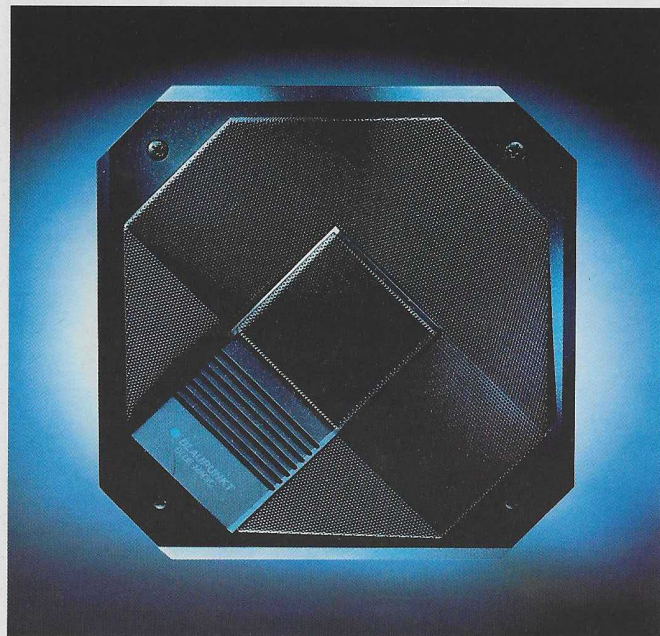
Efficiency (1 Watt at 1 metre): 91 dB



Blaupunkt Blue Magic Line. TL and CL Ranges.

TL stands for Tri-axial, our new 3-way system: separate Bass and Mid-range speakers on a common axis, with a separate High Effect Tweeter on a separate, parallel axis, in one housing.

CL stands for Co-axial: Bass speaker mounted on the same axis as a combined Mid-range/Tweeter unit, in one housing. The distinguished sound is combined with compact dimensions for sound exhilaration without installation problems.



Blaupunkt CL 1600

Alternative to CL 1680. 39.2 mm coil, 57 mm tweeter on square baffle — installed at the rear, it forms the ideal complement to the Sound Component System.

Ref. No.: 7 606 946 000

Power Handling, Music/RMS: 100 Watt

Frequency Response: 40–22,000 Hz

Efficiency (1 Watt at 1 metre): 92 dB

Blaupunkt TL 1680

Coaxial 3-Way System ("Triax" concept) with impressive audio characteristics and strikingly attractive design. High efficiency at high power. Recommended for upper range car hi-fi systems — e.g. with CD Player.

Ref. No.: 7 606 947 000

Power Handling, Music/RMS: 80/30 Watt

Frequency Response: 35–23,000 Hz

Efficiency (1 Watt at 1 metre): 92 dB



Blaupunkt CL 1680-A1

Strontium ceramic magnet, 39.2 mm coil. Extra high power handling capacity, designed to be driven from the Blaupunkt Stereo Amplifier BSA 160. Ideal for CD Player.

Ref. No.: 7 606 945 000

Power Handling, Music/RMS: 80 Watt

Frequency Response: 40–20,000 Hz

Efficiency (1 Watt at 1 metre): 92 dB

Blaupunkt TL 1650-A1

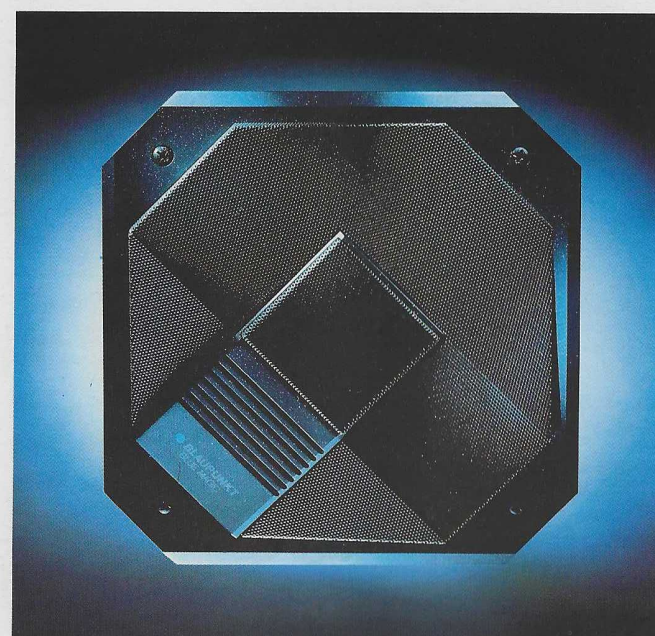
Coaxial 3-Way System ("Triax" concept) with piezo tweeter. High efficiency characteristic due to strontium ceramic magnets (magnet weight 286 g!) — designed for top class car hi-fi systems with CD player.

Ref. No.: 7 606 942 000

Power Handling, Music/RMS: 50/25 Watt

Frequency Response: 40–22,000 Hz

Efficiency (1 Watt at 1 metre): 92 dB



Blaupunkt CL 1650

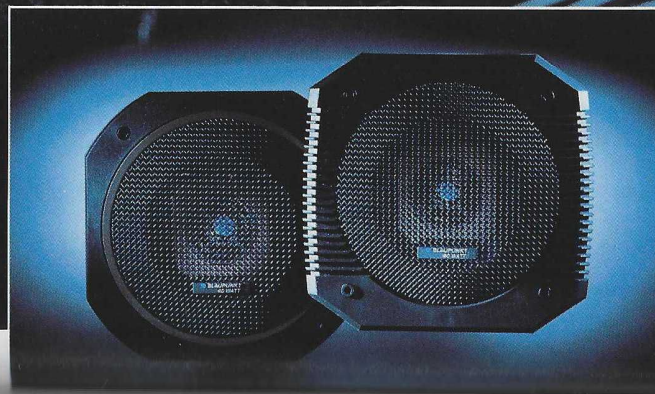
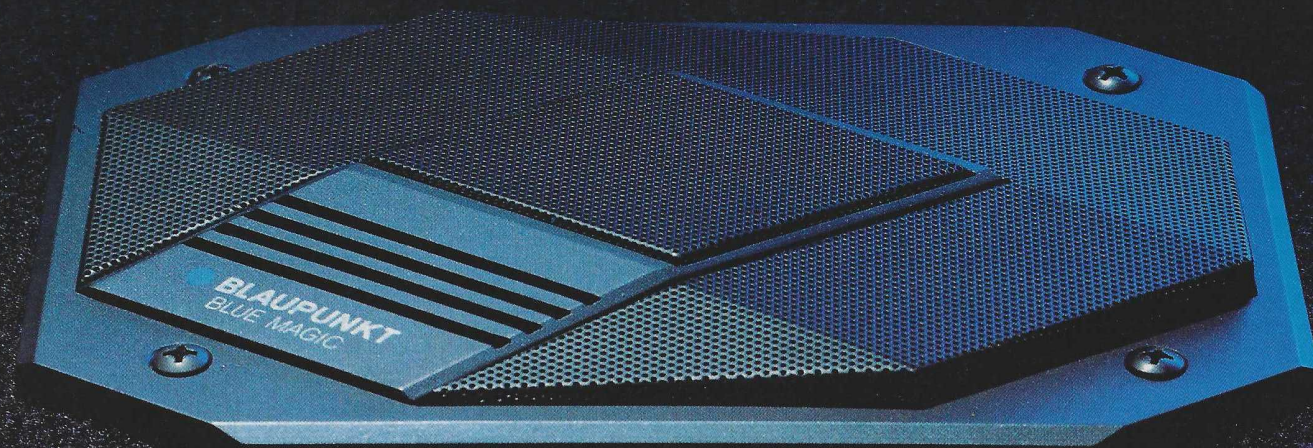
Coaxial system with a 160 mm woofer and dome-type tweeter suitable for Compact Disc Player.

Ref. No.: 7 606 939 000

Power Handling, Music/RMS: 50 Watt

Frequency Response: 40–22,000 Hz

Efficiency (1 Watt at 1 metre): 92 dB



Blaupunkt CL 1640-A1/A2

Coaxial System, with 160 mm woofer for attack and high quality bass response



Blaupunkt CL 1340-A1/A2

130 W

Blaupunkt Blue Magic Line. The CL Range. 2-Way System.

These are two loudspeakers in one housing: low frequencies are reproduced by the larger unit while mid-range and high frequencies are handled by the smaller, co-axially-mounted speaker.

This design concept results in a compact, self-contained 2-way-system with a remarkable dynamic and frequency range. Installation is simple: connect as for standard, single-speaker unit.



Blaupunkt CL 1025-A3

Attraction in Sound and Vision! 2-Way loudspeaker system for flush fitting — impressive acoustic characteristics due to the directional control facility for mid-range and higher frequency paths.

Ref. No.: 7 606 846 000
Power Handling, Music/RMS: 25/10 Watt
Frequency Response: 70–22,000 Hz
Efficiency (1 Watt at 1 metre): 90 dB

Blaupunkt CL 1040-A1/A2

Coaxial System, with 160 mm woofer for strikingly high quality bass response. This system comes in two designs for precise visual harmony with the specific installation point in the car.

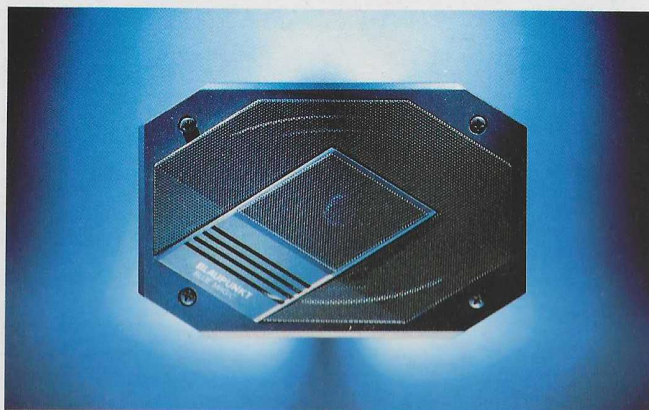
Ref. No.: 7 606 771 000/7 606 772 000
Power Handling, Music/RMS: 40/15 Watt
Frequency Response: 40–22,000 Hz/Efficiency (1 Watt at 1 metre): 92 dB



Blaupunkt CL 1030-B1

Surface-mount version of CL 1030-A1. This 2-way unit suits quality high output systems, yet provides good frequency response even at low power.

Ref. No.: 7 606 762 001
Power Handling, Music/RMS: 30/15 Watt
Frequency Response: 65–22,000 Hz/Efficiency (1 Watt at 1 metre): 92 dB



Blaupunkt CL 1530

High-power oval 2-Way coaxial system with dynamic tweeter for brilliant high frequency reproduction, and barium ferrite magnet for high efficiency.

Ref. No.: 7 606 935 000
Power Handling, Music/RMS: 30/10 Watt
Frequency Response: 65–22,000 Hz
Efficiency (1 Watt at 1 metre): 90 dB

Blaupunkt CL 1040-A1/A2

The same in acoustic performance, different in external form. Examples of Blaupunkt's development of sound to be seen and heard.

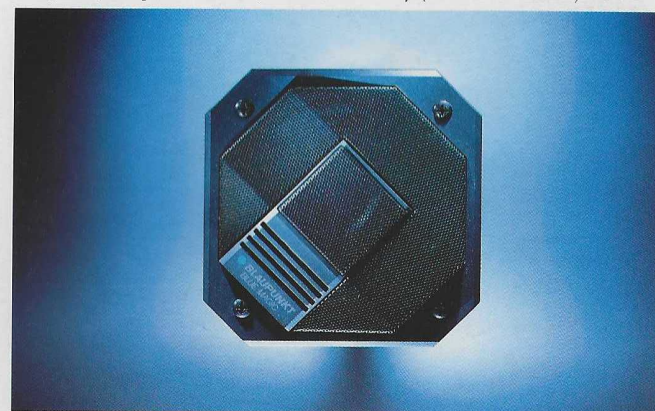
Ref. No.: 7 606 769 000/7 606 815 000
Power Handling, Music/RMS: 40/15 Watt
Frequency Response: 50–22,000 Hz/Efficiency (1 Watt at 1 metre): 90 dB



Blaupunkt CL 1030-A1

Broad audio reproduction spectrum and high efficiency characteristic, providing a fullness of sound even when driven at low power — this is the 2-Way flush-fit for upper range car hi-fi systems.

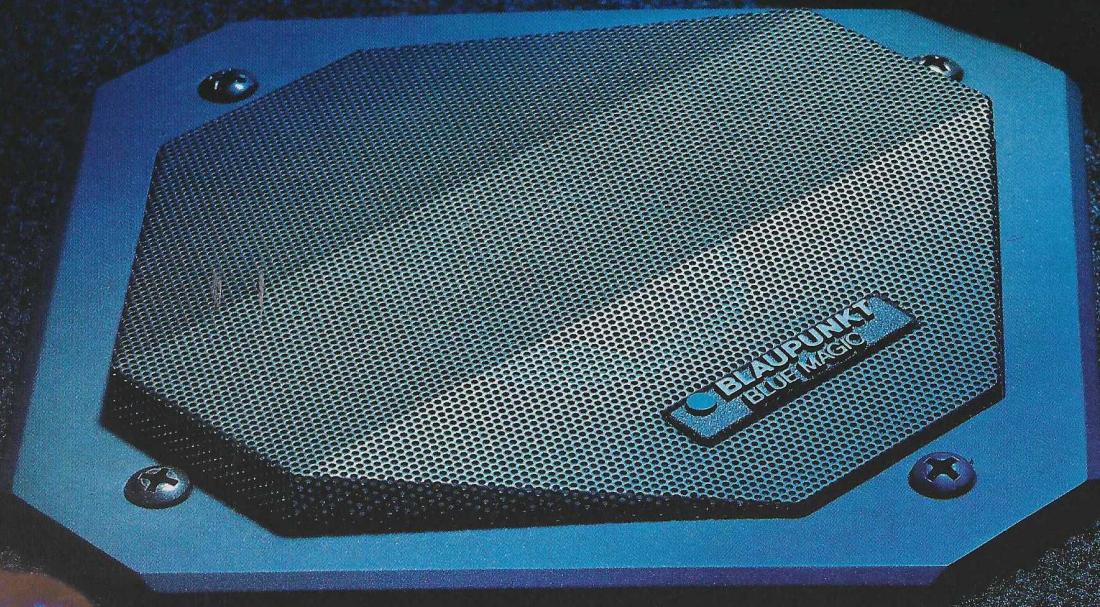
Ref. No.: 7 606 761 000
Power Handling, Music/RMS: 30/15 Watt
Frequency Response: 45–30,000 Hz/Efficiency (1 Watt at 1 metre): 90 dB



Blaupunkt CL 1030

Highly compact Coaxial. Tweeter with cobalt samarium high power magnets, extra rapid response diaphragm and polyurethane foam reinforcing pad.

Problem-free installation in car doors or at rear.
Ref. No.: 7 606 934 000
Power Handling, Music/RMS: 30/10 Watt
Frequency Response: 70–22,000 Hz
Efficiency (1 Watt at 1 metre): 90 dB



Blaupunkt DL 1230

Dual Cone Loudspeaker in an extra flat enclosure, designed specially for installation in car doors.

Ref. No.: 7 606 932 000

Power Handling, Music/RMS: 30/15 Watt

Frequency Response: 50–22,000 Hz

Efficiency (1 Watt at 1 metre): 92 dB

Blaupunkt Blue Magic Line. DL Model Range (Dual Cone Systems).

Broadband car loudspeakers based on a highly perfected construction method: an extra tweeter dome beams high frequencies over a substan-

tially widened angle. This design ensures a balanced sound picture and striking transparency.



Blaupunkt DL 1650

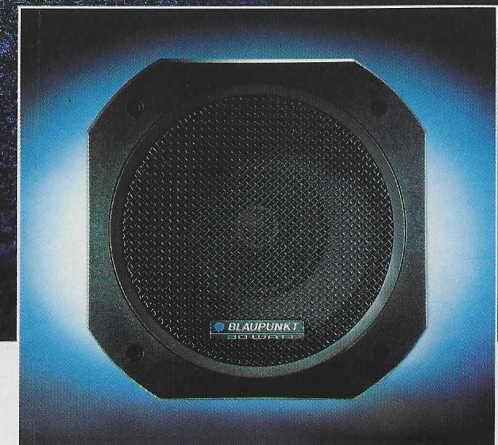
Strong bass response (160 mm woofer, and transparency over the entire sound spectrum.

Ref. No.: 7 606 933 000

Power Handling, Music/RMS: 30/15 Watt

Frequency Response: 45–20,000 Hz

Efficiency (1 Watt at 1 metre): 92 dB



Blaupunkt DL 1630-A1

Strong bass, high power capacity, wide audio spectrum.

Ref. No.: 7 606 813 000

Power Handling, Music/RMS: 30/15 Watt

Frequency Response: 45–20,000 Hz

Efficiency (1 Watt at 1 metre): 92 dB



Blaupunkt DL 1530

Dual Cone Loudspeaker in the attractive modern Blaupunkt design. High acoustic efficiency from the tweeter dome: +8 dB from 10 kHz.
Ref. No.: 7 606 931 000
Power Handling, Music/RMS: 30/15 Watt
Frequency Response: 50–20,000 Hz
Efficiency (1 Watt at 1 metre): 91 dB



Blaupunkt DL 1525-A1

Dual cone loudspeaker for flush fitting. It is in many cases the ideal solution for awkward installation conditions.
Ref. No.: 7 606 764 000
Power Handling, Music/RMS: 25/8 Watt
Frequency Response: 50–20,000 Hz
Efficiency (1 Watt at 1 metre): 89 dB



Blaupunkt DL 1030

Acoustic 2-Way System (dual cone) with extra efficient tweeter dome and internally damped bass cone.
Ref. No.: 7 606 930 000
Power Handling, Music/RMS: 30/15 Watt
Frequency Response: 50–22,000 Hz
Efficiency (1 Watt at 1 metre): 91 dB



Blaupunkt DL 1025-A1

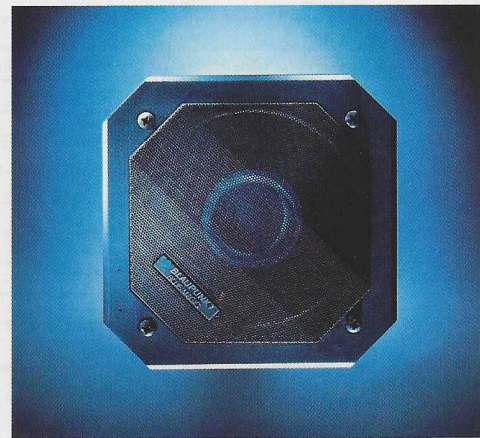
The Champion! A legend in questions of sound! One of the most popular car loudspeakers in Europe.
Ref. No.: 7 606 774 000
Power Handling, Music/RMS: 25/10 Watt
Frequency Response: 50–20,000 Hz
Efficiency (1 Watt at 1 metre): 91 dB

SL Model Range



Blaupunkt SL 1640-A1

Flush-mounted loudspeaker with detailed mid-range/treble equipment. Designed for combination with Blaupunkt Tweeters.
Ref. No.: 7 606 841 000
Power Handling, Music/RMS: 40/15 Watt
Frequency Response: 40–10,000 Hz
Efficiency (1 Watt at 1 metre): 92 dB



Blaupunkt SL 1230

Flush-mounted flat-format loudspeaker, ideal in particular for fitting in the car doors. Impressive bass response and high efficiency characteristic.
Ref. No.: 7 606 940 000
Power Handling, Music/RMS: 30/15 Watt
Frequency Response: 50–18,000 Hz
Efficiency (1 Watt at 1 metre): 92 dB



Blaupunkt SL 1325-A1

Broadband loudspeaker conforming to the Blue Magic concept: brilliant in sound, arresting in vision! And it ensures fullness of sound even at low volume.
Ref. No.: 7 606 847 000
Power Handling, Music/RMS: 25/10 Watt
Frequency Response: 60–18,000 Hz
Efficiency (1 Watt at 1 metre): 92 dB



Blaupunkt SL 1220-A1

Broadband loudspeaker for recessed flush mounting. Rapid response at high efficiency, neutral over the entire frequency range.
Ref. No.: 7 606 765 000
Power Handling, Music/RMS: 20/6 Watt
Frequency Response: 80–19,000 Hz
Efficiency (1 Watt at 1 metre): 92 dB

The Perfect-Fit Sound!

Blaupunkt Blue Magic Special

Many vehicles have special installation facilities for car loudspeakers. These fittings are of different shapes and sizes depending on the particular car make or model. With speakers designed specially to the car manufacturer's specifications, installation is made perfectly simple, because you will not need to alter anything in the car (and there are no loudspeaker "traces" when the speakers are removed).

For this purpose Blaupunkt has developed the Blue Magic Specials, the top range in our comprehensive programme of vehicle-specific speakers. This range contains loudspeakers for many important models of car, dimensioned for a perfect fit in the pre-cut loudspeaker holes provided. It combines the exhilarating brilliance of our renowned Blue Magic Line with the special advantages of compatibility with the existing car hi-fi components.

All Models of the Blue Magic Special series are high capacity 2-way systems of coaxial construction. Consequently, they automatically provide powerful sound and are designed to be driven by an amplifier.

Make of Car	Coaxial Systems	Dual Cone Systems	Single Cone Systems
Alfa Romeo /Alfetta 82/83△/GTV 2,0/6/2,5 3/83→▽			SSL 865
Alfetta 6/83→△	SCL 904	SDL 842	
Arna △	SCL 789		
Guilietta Lusso 11/81→△	SCL 955		SSL 865
Spider 8/81→△			SSL 865
Audi /80/CC/CD/GTE 9/84→/90 12/84→△	SCL 903		SSL 902
100 10/82→/Avant 5/83→△	SCL 789		
Austin Rover /Maestro ▽	SCL 790		
BMW /628 CSi/620 CS/633 CSi/623 CSi▽/728 i/732 i/735 i△/728 i/732 i/735 9/80→△/730/733 i→8/79△/745 i/9/80→△	SCL 904	SDL 842	
Citroen /Break Club 12/79→△/GSA Pallas/Visa ▽	SCL 790		
CX 5/78→△ ▽	SCL 955		SSL 865
Datsun /Cherry N 12 11/82→△	SCL 789		
Fiat /Abarth 2/83→△/Argenta△/Regata 100 S△/Ritmo 7/78→2/83△/Ritmo 75 S/105 2/83→△	SCL 955		SSL 865
Uno 45/55/55 S/70 S ▽	SCL 790		
Ford /Capri III 1/78→▽	SCL 904		SSL 865
Escort L/GL/Ghia/XR-3 9/80→△			SSL 859
Sierra L/GL/Ghia/XR-4 △		SDL 858	
Scorpio △	SCL 944	SDL 943	
Honda /Accord Limousine 10/81→/Prelude Coupé 1/83→▽		SDL 716	
Mazda /323 1/83→▽/RX 7 ▽			SSL 865
929 Limousine 4/82→△	SCL 789/790		
Mercedes Benz /W 201 190/190 E, W 123 200-280 E 1/76→, 230 C-280 CE 4/77→, 240 TD-280 TE, 230 E/230 CE/230 TE 7/80→△	SCL 718	SDL 848	
280 SL/SLC/350 SL/SLC/380 SL/SLC/450 SL/SLC/500 SL/SLC △	SCL 790		
W 126 280/380/500 SE/SEL 3/83→△ ▽	SCL 906	SDL 868	
C 126 380/500 SEC 3/83→△ ▽	SCL 790	SDL 868	
W 124 200/230 E/260 E/300 E/200 D/300 D ▽	SCL 912		
W 124 200/230 E/260 E/300 E/200 D/300 D △	SCL 911		SSL 908
Opel /Corsa TR△/Kadett E ▽	SCL 790		
Kadett E 84 → △	SCL 718		
Kadett D Caravan 8/79 → ▽	SCL 955		SSL 865
Peugeot /205△/305 11/81→△			SSL 865
305 83 →△/305 11/81→△	SCL 955		



Everything perfectly prepared for rapid and easy assembly.

Porsche/911 ▢			SSL 865
924/944 8/82 ▢ 8/82 →	SCL 904	SDL 842	
Renault/9 ▢	SCL 904	SDL 842	
11/18/25 ▢/Espace ▢	SCL 955		
11/18/20 ▢/Fuego ▢ → 83			SSL 865
Saab/900 EMS/GLS/GLE/Turbo ▢	SCL 790		
Talbot/Horizon ▢/Solera ▢/Tagora ▢ ▢/1307-1510 ▢			SSL 865
Toyota/Carina 4/82 →/Camry/Corolla Lim./Liftback/Coupé GT 16 V 11/83 →/Tercel/4 WD 10/82 → ▢	SCL 789		
Volvo/740/760 ▢	SCL 955		
VW/Golf 8/79 → 8/83, 8/83 → ▢/Golf GL/GLD/GLS 8/80 → 8/83 ▢/GTi 8/80 → 2/84 ▢/Jetta GL/GLi/GLD 1/81 → 2/84 ▢/Passat GL/GLS/GLi/GLD 9/80 → ▢ Santana GL/GLS/GLi/GLD 9/80 → ▢ Scirocco GL/GT/GTi/GLi 5/81 → ▢	SCL 904	SDL 842	
Golf 8/83 →/Jetta 2/84 → ▢	SCL 954	SDL 717	
Jetta GL/GLD/GLS 8/80 → 8/83 ▢/GTi 8/80 → 2/84 ▢/Passat GL/GLS/GLi/GLD 9/80 → ▢ /Polo Coupé 8/81 → ▢	SCL 904		
Polo 8/81 → ▢/Coupé ▢/Santana/Passat GL/GLS/GLi/GLD 9/80 →			SDL 842

▢ Rear ▢ Front

	Type	Ref. No.	Front-Inst.	Rear-Inst.	Diameter/ Size (mm)	Music Power	Efficiency (1 W/1 m)	Frequency Response	Impedance Ω
Coaxial Systems	SCL 718	7 606 718 000	●		100	30 Watt	90 dB	70-22.000 Hz	4
	SCL 789	7 606 789 000	●	●	100	30 Watt	90 dB	70-22.000 Hz	4
	SCL 790	7 606 790 000	●	●	100	30 Watt	90 dB	70-22.000 Hz	4
	SCL 904	7 606 904 000	●	●	150 x 90	30 Watt	90 dB	65-22.000 Hz	4
	SCL 906	7 606 906 000	●	●	150 x 90	30 Watt	90 dB	65-22.000 Hz	4
	SCL 911	7 606 911 000	●		120	40 Watt	90 dB	50-22.000 Hz	4
	SCL 912	7 606 912 000		●	120	40 Watt	90 dB	50-22.000 Hz	4
	SCL 903	7 606 903 000	●		100	30 Watt	90 dB	66-22.000 Hz	4
	SCL 955	7 606 955 000	●	●	130	40 Watt	90 dB	50-22.000 Hz	4
Dual Cone Systems	SCL 944	7 606 944 000	●		100	30 Watt	90 dB	70-22.000 Hz	4
	SCL 954	7 606 954 000	●		87	20 Watt	90 dB	90-20.000 Hz	4
	SDL 842	7 606 842 000	●	●	150 x 90	25 Watt	89 dB	50-20.000 Hz	4
	SDL 848	7 606 848 000	●		100	25 Watt	91 dB	50-20.000 Hz	4
	SDL 858	7 606 858 000	●		100	25 Watt	91 dB	50-20.000 Hz	4
	SDL 868	7 606 868 000	●	●	150 x 90	25 Watt	89 dB	50-20.000 Hz	4
	SDL 717	7 606 717 000	●		87	20 Watt	87 dB	65-18.000 Hz	4
	SDL 716	7 606 716 000		●	100	25 Watt	91 dB	50-20.000 Hz	4
Single Cone Systems	SDL 943	7 606 943 000	●		100	25 Watt	87 dB	60-18.000 Hz	4
	SSL 859	7 606 859 000	●		130	25 Watt	92 dB	60-18.000 Hz	4
	SSL 865	7 606 865 000	●	●	120	20 Watt	92 dB	80-19.000 Hz	4
	SSL 908	7 606 908 000	●		130	20 Watt	92 dB	45-18.000 Hz	4
	SSL 902	7 606 902 000	●		100	20 Watt	92 dB	70-17.000 Hz	4

Everything perfectly prepared for rapid and easy assembly.



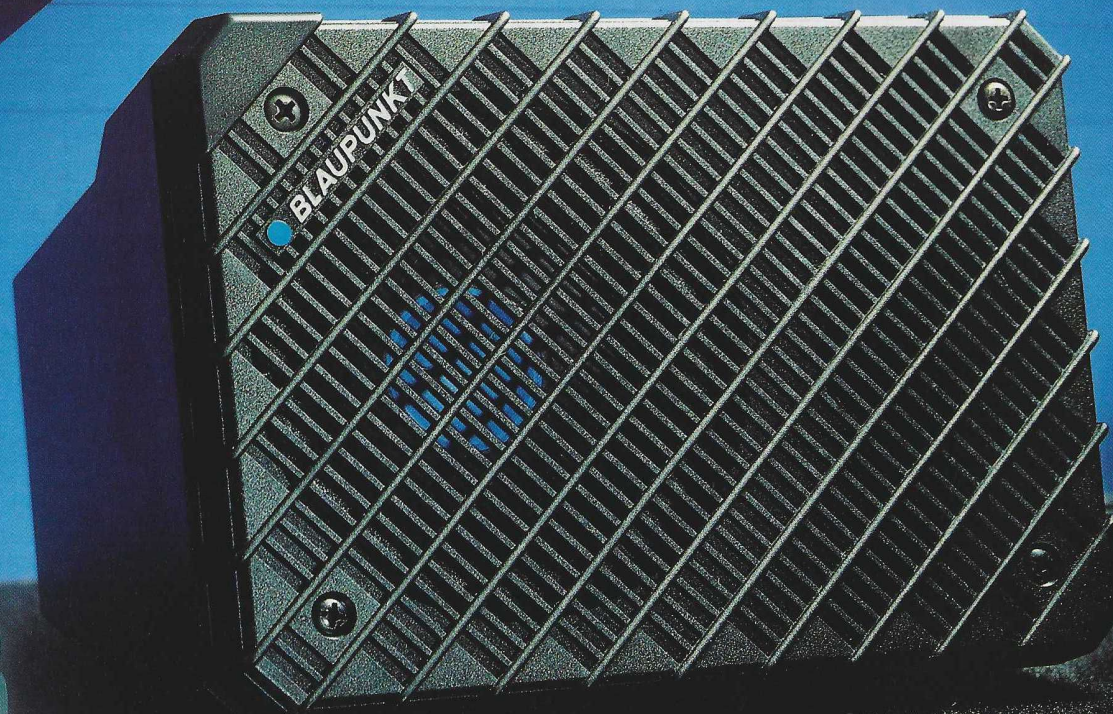
Blaupunkt Blue Magic Special Coaxial



Blaupunkt Blue Magic Special Dual Cone



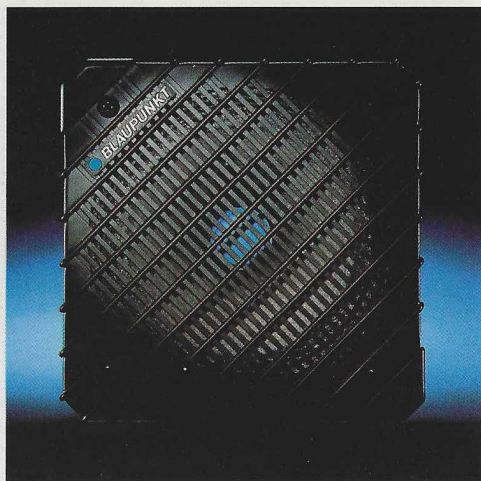
Blaupunkt Blue Magic Special Single



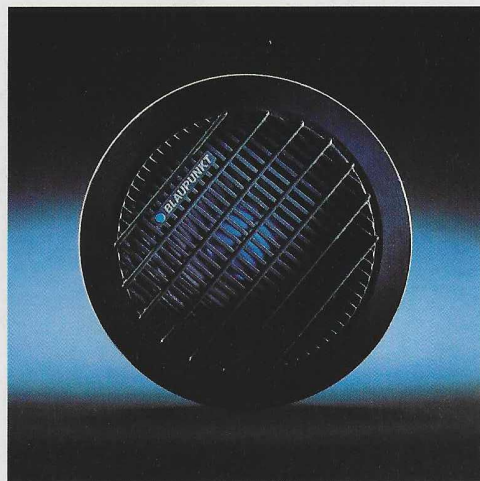
Blaupunkt Blue Sonic Loudspeakers. Flush-mount and Surface-mount.

Power right from the heart: Blaupunkt Blue Sonic loudspeakers look every bit as good as they sound. They stand for technology that is not afraid to show what it is made of, and for

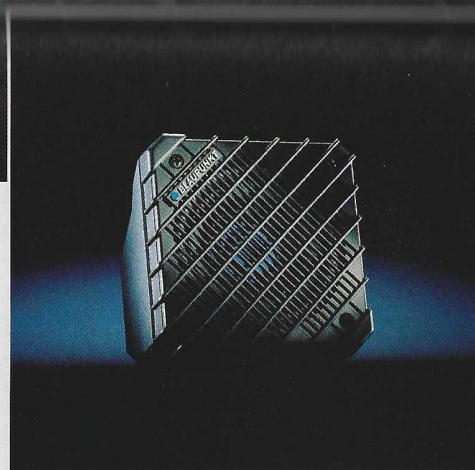
sound that is also pleasing to the eye, blending into every vehicle interior. To your sound health!



Blaupunkt Blue Sonic BS 1220
Broadband Loudspeaker
Ref. No.: 7 606 893 000
Music Power: 20 Watt
Rated Power: 6 Watt
Frequency Range: 60–18,000 Hz
Sensitivity (1 W/1 m): 91 dB



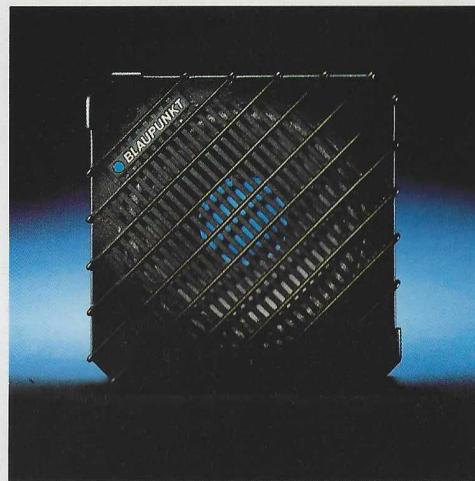
Blaupunkt Blue Sonic BS 1020
Broadband Loudspeaker
Ref. No.: 7 606 894 000
Music Power: 20 Watt
Rated Power: 10 Watt
Frequency Range: 60–18,000 Hz
Sensitivity (1 W/1 m): 90 dB



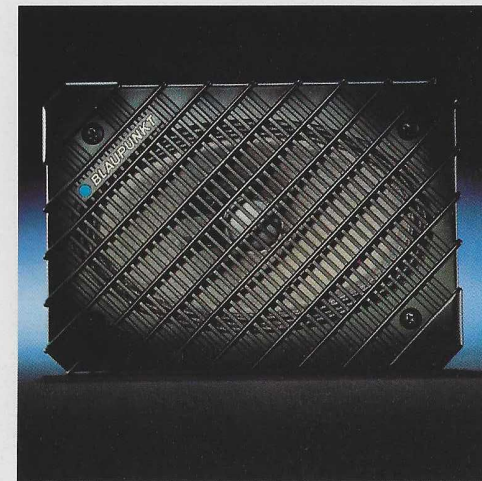
Blaupunkt BS 1020 CB
Broadband Loudspeaker, Surface Mount.
Ref. No.: 7 606 893 000
Music Power Handling Capacity: 20 Watt
Rated Power Handling Capacity: 10 Watt
Frequency Response: 60–18,000 Hz
Efficiency (1 Watt at 1 metre): 90 dB



Blaupunkt BS 8720 B
Broadband Loudspeaker, Surface Mount.
Ref. No.: 7 606 898 000
Music Power Handling Capacity: 20 Watt
Rated Power Handling Capacity: 8 Watt
Frequency Response: 80–19,000 Hz
Efficiency (1 Watt at 1 metre): 88 dB



Blaupunkt Blue Sonic BS 8720
Broadband Loudspeaker
Ref. No.: 7 606 896 000
Music Power: 20 Watt
Rated Power: 8 Watt
Frequency Range: 80–19,000 Hz
Sensitivity (1 W/1 m): 88 dB



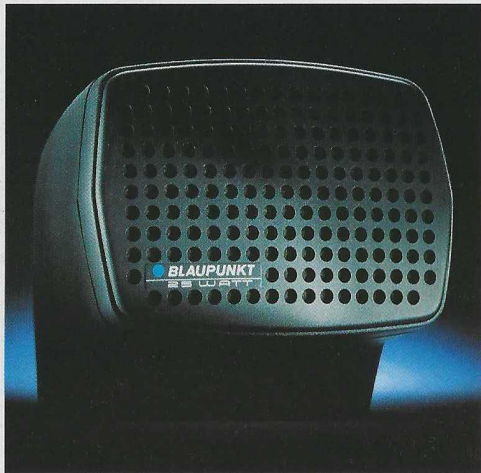
Blaupunkt Blue Sonic BS 1515
Broadband Loudspeaker
Ref. No.: 7 606 895 000
Music Power: 15 Watt
Rated Power: 6 Watt
Frequency Range: 60–18,000 Hz
Sensitivity (1 W/1 m): 89 dB

Auto-Atlas 83
Deutschland



 **BLAUPUNKT**
25 WATT

Blaupunkt Flush-mount and Surface-mount Loudspeakers.



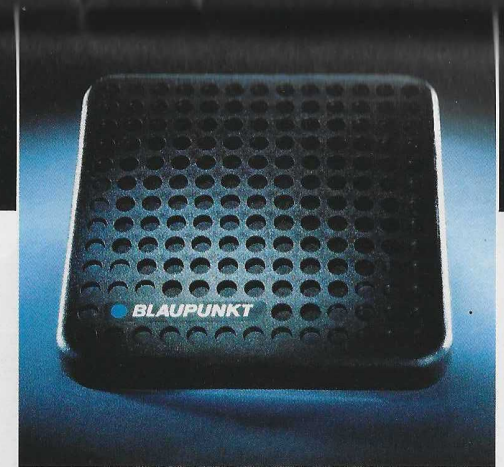
Blaupunkt AL 6721
Broadband Loudspeaker, Surface Mount.
Ref. No.: 7 606 721 000
Music Power: 25 Watt
Rated Power: 10 Watt
Frequency Range: 70–16,000 Hz
Sensitivity (1 W/1 m): 87 dB



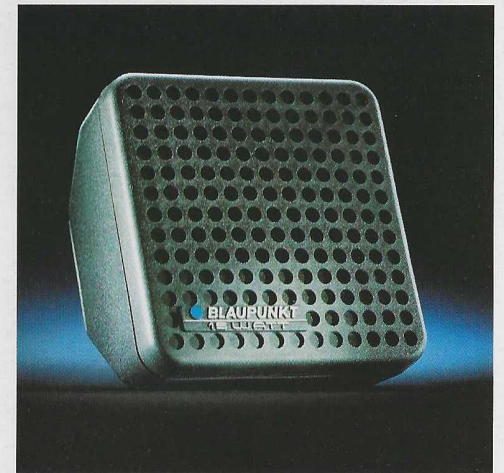
Blaupunkt AL 6750
Broadband Loudspeaker, Surface Mount.
Ref. No.: 7 606 750 001
Music Power Handling Capacity: 15 Watt
Rated Power Handling Capacity: 8 Watt
Frequency Response: 160–18,000 Hz
Efficiency (1 Watt at 1 metre): 87 dB



Blaupunkt AL 6749
Broadband Loudspeaker, Surface Mount.
Ref. No.: 7 606 749 001
Music Power Handling Capacity: 15 Watt
Rated Power Handling Capacity: 8 Watt
Frequency Response: 150–18,000 Hz
Efficiency (1 Watt at 1 metre): 87 dB



Blaupunkt AL 6547
Broadband Loudspeaker, Flush Mount.
Ref. No.: 7 606 547 000
Music Power Handling Capacity: 8 Watt
Rated Power Handling Capacity: 4 Watt
Frequency Response: 70–15,000 Hz
Efficiency (1 Watt at 1 metre): 88 dB



Blaupunkt AL 6747
Broadband Loudspeaker, Surface Mount.
Ref. No.: 7 606 747 001
Music Power Handling Capacity: 15 Watt
Rated Power Handling Capacity: 8 Watt
Frequency Response: 160–18,000 Hz
Efficiency (1 Watt at 1 metre): 87 dB

BLAUPUNKT



The total sound experience!

The total sound experience! Blaupunkt Multi-Stereo System.

Down with "you-or-me stereo"!

In your home hi-fi system, you will generally find it easy to take up the ideal listening position, i.e. in the axis between the two speakers, and consequently the same distance away from the sound sources of the left and right stereo channels.

The ideal position cannot be attained in the car. Driver and passenger are always seated out of symmetry to the stereo principle. The end-result is that the sound paths are not of the same length.

This problem can partly be compensated for. By means of the balance control you are able to achieve an approximation of acoustic symmetry of the sound sources. However, one orientation gap remains, roughly in the middle between the two sides — the high frequencies are difficult to locate and the stereo experience remains unsatisfactory.

Furthermore, this kind of balance adjustment can only benefit one listener. If you are carrying passengers, someone will have to be left out.

This "you-or-me stereo" is still not satisfactory, if perfection is the measure of your requirements.

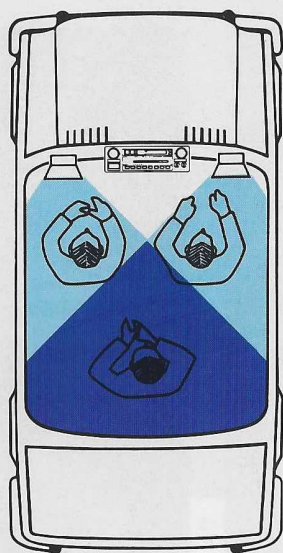
Blaupunkt has developed a system that is strikingly effective in overcoming this problem: the Multi-Stereo System. The idea is deceptively simple, and needed considerable research and development.



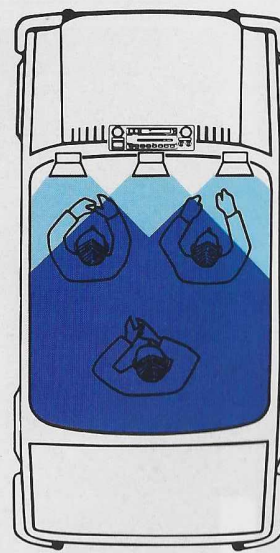
The Multi-Stereo System: An additional signal is obtained from the two existing stereo channels, using an advanced and expensive electronic switching system — with one quite simple result: In-car Stereo without compromise.

The Solution.

The principle is to add a supplementary loudspeaker in the middle of the dashboard (or a supplementary speaker both at the front and rear). This radiates a signal that is electronically obtained from both stereo channels. It closes the stereo gaps, and provides an impressive and spacious sound.



Stereo audio zone
with two loudspeakers.



Extended stereo audio
zone with the
Multi-Stereo System.

The Problem: In many cars the car stereo system remains imperfect and incomplete, because the two channels are not heard equally well by everyone.

The Solution: An additional loudspeaker emits a signal obtained from the left and right-hand channels, closing the gaps in the stereo system.

Every position is the best.

The Blaupunkt Multi-Stereo system is technology working to provide you with an even more intensive sound experience.

- Distinctly increased stereo effect, even with top-quality speakers.
- Same stereo effect for all listeners. Every position is the best!
- More sound, Richer tone, even for mono emissions.
- More pleasure and purer sound even at low volume. This is true for both speech and music.

The Blaupunkt Multi-Stereo System requires an amplifier with bridge output stages, for example: BQA 80, BSA 40-MS, BSB 40-2, BEA 80 and BEB 40.

Blaupunkt MS 5060 Surface Mounted Loudspeaker for the Multi-Stereo System.

Ref. No.: 7 606 928 000

Power Handling, Music/RMS: 60/15 Watt

Frequency Response: 400—20,000 Hz

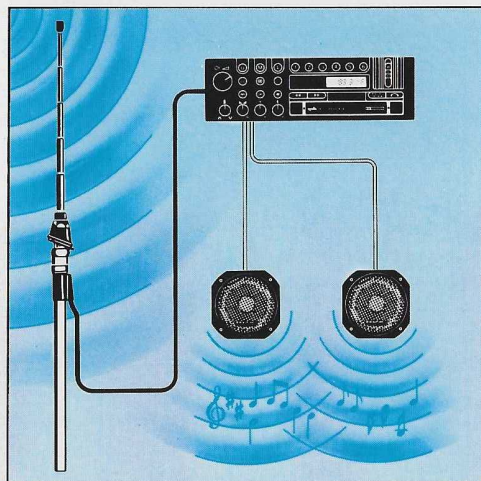
Efficiency (1 Watt at 1 metre): 88 dB

Blaupunkt MS-CU Multi-Stereo Control Unit.

Matrix network for driving the extra loudspeaker in the Multi-Stereo System (can only be used in combination with the BSA 40-MS, BSB 40-2, BEB 40, BEA 80, BQA 80, and BEB 70).

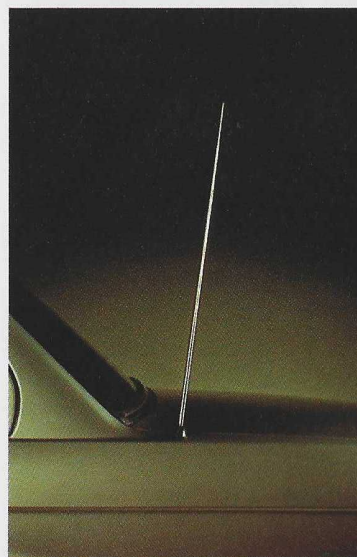
Blaupunkt's complete programme for all requirements and all installation conditions.

Even the most powerful car radios and loudspeakers are only able to deliver to you what the car aerial provides in the way of reception capacity. Consequently, the car aerial is the cornerstone for any high quality car radio system. This basis must be solid, since car radio reception takes place in a particularly awkward environment: constantly changing direction, constantly changing distance from the transmitter. Intrinsic interference from the car electrical and electronic systems, and



also external interference and the obstruction of high buildings and mountains, or the effects of the vehicle bodywork etc. all combine to make car radio reception extremely problematic.

In addition, there are a number of climatic and mechanical stresses: ice, snow, sun, rain, dust, driving wind and vibrations. So the question whether a cheap aerial might not "do" answers itself!



- ① **Telescopic Aerials**
V-10 Range. Quality aerials for tough demands on reliability and durability. Made in Germany.
Hobby Range. The value-for money alternative with detailed instructions for DIY fitting. Made in Germany.
Club Range. The less expensive telescopic aerials for basic requirements.



- ② **Autoflex —**
HIGHLY RECOMMENDED
with the matt black short rod.
Although it is only 45 cm long, the Autoflex, thanks to its innovative technology, brings you unparalleled aerial power. With FM, its wound coil rod makes electronic amplification unnecessary. The advantage: Outstanding station separation. For long, medium and short wave reception, an impedance transformer ensures an improved compatibility of aerial and car radio. The flexible fibreglass rod is resistant to all weather conditions and is even proof against aerial "buckling". It does not need to be pushed down when going through the car wash, and is completely maintenance free.
You have the choice: Autoflex in 5 different designs — For every type of car, For every type of car radio.



- ③ **Motorized Aerials make your life easier. The M 100 Range.**
Motorized Aerials of the Luxury Class.
The M 100s are the result of Bosch's experience as automobile equipment suppliers. So, for example, a powerful windscreen wiper motor, proven millions of times over, provides the perfect aerial raising strength and reliability.
Autojet Range.
The "traditional" motorized aerials. In a compact format.
Specialised designs, e.g. the combination aerial Autojet CB, complete this range.
Club Range.
Our basic range of motorized aerials.
A particularly good cost/efficiency ratio is the hallmark of this range of motorized aerials.
The Bosch Motorized Aerial Programme is the result of over 15 years experience. That means high reliability and durability.

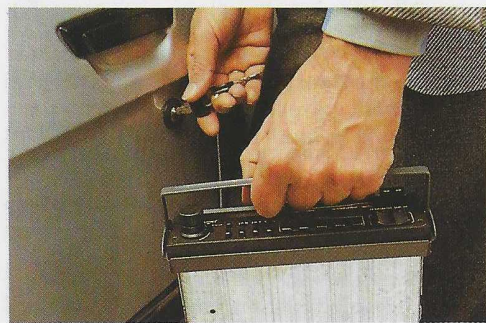


- ④ **Windscreen Aerials**
For technical reasons, these are not yet available in the UK.

Detachable Plug-in Unit (for DIN fittings). Now your fun is not only sound: it is also safe!

The more valuable your car hi-fi system, the more important it can be to make your Blaupunkt "tamper-proof". The new solution is the Detachable Plug-in Unit. This is a device which makes it possible for you to remove your in-car cassette-radio unit temporarily from its fitting, quickly and easily, and to store it securely. You can lock your unit in the boot, for instance, or take it with you.

Naturally, refitting is just as rapid and simple as removing, and, of course, even the preset stations of digital models are retained. This back-up feature lasts for 20 hours with the auxiliary nickel cadmium rechargeable batteries (which are automatically recharged when the radio is operated on the road!); it is unlimited when the radio is connected to a 12 Volt power pack. Your audio pleasure is in safe keeping.



The Detachable Plug-in Facility is available for the following models:

Ref. No: 7 606 003 026

Coburg MR 23
Cambridge MR 23
Düsseldorf R 23
Essen R 24
Melbourne MR 23
Paris R 23/R 25
Stockholm R 24

Ref. No: 7 608 003 136

Boston SQM 23/24
Bremen SQR 45
Hamburg SQM 23/24
Heidelberg SQR 24
Montreal SQR 24
Toronto SQR 45

At a Glance.

Blaupunkt Car Radio/Hi-Fi Glossary.

Amplifier. Add-on amplifier having a preamp input. This type of amplifier is designed for optimum compatibility with the car radio combination unit, thereby ensuring extremely high quality sound reproduction. Blaupunkt amplifiers can also be driven from the loudspeaker outputs.

ASU. (Automatic Interference Absorption System). Extra electronic circuit in all Blaupunkt car radios, ensuring better FM reception.

Automatic Aerial. Motorized aerial, which is raised/lowered when the the radio is switched on/off.

Automatic Cassette Eject. Operates in event of tape transport malfunction and at end of tape.

Automatic Loudness. Adapts sound reproduction to the human ear by boosting trebles and bass at low volumes. → Physiological Volume Control.

Automatic Muting. Circuit which silences sound "between stations" during the tuning search process.

Automatic Track Change. Feature of → Autoreverse.

Automatic Volume Control. (AVC). System developed by Blaupunkt whereby the volume of radio and cassette is automatically and continuously adjusted according to the level of background noise in the car ("accelerator-pedal volume control").

Autoreverse. Automatic reversal of tape direction and track changeover at the end of the cassette. The track can be changed manually at any time.

AVC. → Automatic Volume Control.

DNR. (Dynamic Noise Reduction). Noise reduction system working on both cassette playback and radio reception. Operating principle: amplifier frequency is dynamically "rolled off" at whichever point necessary in the audio frequency spectrum.

Dolby® Noise Reduction. System developed by Ray Dolby to reduce background tape hiss.

Dual Cone Loudspeaker. Loudspeaker having an extra tweeter cone.

Dynamic Range. Ratio of the highest and lowest volume levels in a particular piece of music, expressed in → dB.

Efficiency (or **Sound Pressure Level**). Measurement of the volume attained by a loudspeaker at a specific amplifier power. Efficiency is quoted in dB and is measured at 1 Watt amplifier power at a distance of 1 metre.

Equalizer. Tone control unit enabling treble, bass and midrange frequencies to be individually adjusted to suit the acoustic conditions of the car interior and the personal tastes of the listener.

Equalizer-Amplifier. Combination of → Equalizer and → Amplifier.

ETC (Electronic Tuning Control). Circuit developed by Blaupunkt and designed for fine FM tuning under the specific operating conditions of a car radio. It stays precisely on the station, even under poor reception conditions.

Fader. Control enabling optimum sound distribution to the front and rear speakers.

Ferric Tape. Tape with magnetic coating of iron oxide particles (Fe_2O_3).

LED (Light Emitting Diode). Used for illuminated frequency and function displays.

LED Scale. Frequency scale without pointer; the position of the station selected is displayed by → LEDs.

Lock-on Fast Forward and Rewind. The pushbuttons for fast forward and rewind lock into position and facilitate both repetition and skipping of individual pieces of music on the cassette. → Track Logic.

Nominal Power Rating. Maximum electric power (in Watts) which a loudspeaker can handle continuously. → Music Power Handling capacity.

Ohm (Symbol Ω). Unit of measurement for electrical resistance. → Impedance.

Opto-Electronic Tape Transport Monitoring. Tape transport is continuously monitored by a photocell. In the event of disorders in the system, and at the end of the tape (for decks without Autoreverse), the cassette deck motor is automatically stopped and the cassette is ejected (→ Automatic Cassette Eject).

Output Power. The power delivered by an amplifier. The distinction is made between Music Power = maximum (peak) output possible for a short period, and Rated (RMS) Power = average continuous maximum output.

Physiological Volume Control (→ Automatic Loudness). System "adapted to the human ear", whereby treble and bass are boosted at low volumes.

PLL Circuit (Phase Locked Loop). Electronic circuit with a quartz stabilized frequency scanning system into which station frequencies exactly "lock" and are held with high stability (Frequency Synthesizer).

Tone Controls. Controls for boosting or cutting treble and bass.

Track Logic. A feature of Autoreverse mechanisms. The forward and rewind buttons always mean forward and rewind, irrespective of the side being played.

Transparency. A description of clear, distinct and high fidelity reproduction of the individual instruments in a particular piece of music.

Treble. Sounds in the high audiofrequency range (from approx. 4,000 Hz).

Treble Loudspeaker. → Tweeter.

Tuner. Receiver unit, e.g. of a car radio.

Tuning. Seeking and finding a radio station.

Tweeter. Loudspeaker for the reproduction of higher frequencies (approx. 4,000–20,000 Hz). → Treble.

2-Way Loudspeaker. Loudspeaker with two different systems (e.g. woofer/midrange and tweeter) in a common housing.

Voltage Synthesizer. Modern → micro-computer controlled tuning system.

Wide-Band Loudspeaker. A single system loudspeaker reproducing the whole audio frequency range.

Wow and Flutter. Unpleasant howling sounds caused by speed variations in the tape transport system. Tape speed is electronically monitored in Blaupunkt cassette decks.

AVC. → Automatic Volume Control.

Balance Control. Control for setting the acoustic centre of stereo playback.

Bass. Sound in the low frequency range (up to approx. 600 Hz).

Bass Loudspeaker. → Woofer.

Booster. → Amplifier.

Cassette Search. → CPS.

Chrome Dioxide Tape. Tape with a magnetic coating of chrome dioxide (CrO_2).

Coaxial Loudspeaker. → 2-Way loudspeaker with tweeter and woofer operating on a common axis.

Combined Treble and Bass Control. Acts as an "acoustic see-saw" for the correction of treble and bass by a single unit.

CPS (Cassette Programme Search). Cassette search: at the touch of the button the tape will be wound forward to the beginning of the next piece of music or rewound to the beginning of the piece just played, and will then be switched automatically to play.

Crossover Network. Electronic device for distributing the output in such a way that different frequencies are handled by different loudspeakers.

dB (Decibel). Logarithmic unit of measurement expressing the relationship between two values of a common physical parameter (e.g. power or voltage).

db Noise Reduction. Electrical circuit reducing tape noise (Blaupunkt System).

DFC. (Digital Frequency Control). Electronic process for automatic tuning and stabilization of reception. The station selected is held in tune even under extremely difficult reception conditions.

Diaphragm. A flat surface caused to oscillate, thereby converting electrical energy into acoustic energy (= sound).

Digital Frequency Display. Read-out displaying station frequency in digits.

Distortion. → Total Harmonic Distortion.

iron oxide particles (Fe_2O_3).

4-Channel Amplifier. A car radio output or an add-on amplifier with four separate loudspeaker outputs driven by separate amplifiers.

Frequency Response. The frequency range which can be evenly reproduced by an audio unit (car radio, cassette deck) within certain specified tolerances.

Hard Permalloy Tape Head. Tape head that provides extremely high quality sound reproduction and long service life.

Hi-Fi (High Fidelity). Recording and reproduction of music and speech that is extremely true to the original. The technical specifications are laid down in the Hi-Fi Standard DIN 45.500.

"Hybram" (Hybrid assembly module). Highly integrated electronic circuit element, adapted and developed by Blaupunkt from space technology. Hybrams accomplish a wide variety of functions while keeping dimensions to a minimum.

Hz (Hertz). Unit of measurement for frequency. It expresses the number of cycles per second.

Impedance (AC Resistance). Used here for the resistance value of the loudspeaker connection. The stated impedance must be compatible with that of the amplifier. Loudspeaker impedance may be greater but never less than amplifier impedance. The unit of measurement is the → Ohm.

Impulse Response. Short period of inward/outward vibration of a loudspeaker diaphragm. "Fast" loudspeakers are characterised by extra high fidelity sound reproduction.

Last Station Memory. When the car radio is switched on it is automatically tuned to the last station played before switching off.

LCD (Liquid Crystal Display). Read-out of frequency and operating function using liquid crystals. Automatic higher contrast when surrounding light increases. → TLCD.

high stability (Frequency Synthesizer).

QTS (Quartz Tuning System). For optimum reception: Digital station tuning and display, with quartz precision and microcomputer control → PLL circuit.

Resonance. The condition in which a surface or space enters into vibration in response to sound waves.

RMS Power. → Output Power.

Search Sensitivity. Relative ability of a car radio, when the search process is initiated, to select only powerful stations or all stations receivable.

Sendust Tape Head. Tape head with excellent playback quality and extra long service life.

Station Pushbuttons. Pushbuttons for presetting and rapid tuning of particular stations. These stations are stored either mechanically (Omnimat Pushbuttons) or electronically (microcomputer control).

Sound Pressure Level. → Efficiency.

Station Tuning. → Tuning.

Station Search. Automatic seeking and tuning of a station by pushbutton. The search is electronically controlled. → Search Sensitivity.

Stereo/Mono Switchover. Stereo is switched to mono for weaker signals to ensure satisfactory reception quality.

Synthesizer. Component of the → PLL tuning system (frequency synthesizer). Provides a quartz precision frequency standard. → Voltage Synthesizer.

Tape Deck. Cassette unit without in-built amplifier.

Tape Selector. Switch for selecting Normal (→ Ferrite Tape), Chrome dioxide (→) or Metal (→) Tape.

THD (Total Harmonic Distortion). Description of all distortions having a negative effect on sound quality.

TLCD. Transflective Liquid Crystal Display. An LCD display with improved transparency and good non-reflection properties. The TLCD consequently ensures clear legibility from all angles by both day and night.

Symbols and their Meaning:

	Autoreverse
	Cassette Programme Search
	Track Change
	Balance
	Cassette Eject
	Cassette Load
	Cassette Rewind
	Cassette Forward
	Noise Reduction
	db Noise Reduction
	Dolby® Noise Reduction
	On/Off
	Fader
	Treble
	Bass
	Time Control
	Volume
	Mono
	Pause
	Turn knob
	Push knob
	Pull knob
	Ring-lever control
	Tuner Search
	Search Sensitivity: normal
	Search Sensitivity: high
	Manual Station Setting
	Manual Tuning
	Memory Button
	Stereo

Technical Data at a Glance

In-car Radios

Model	Page	FM	MW	LW	SW	Preset Buttons	Station Search	Output Power	Dimensions WHD (mm)
Oslo SM 21	27	● Stereo	●	●	●	3 FM	● FM	2x10 W rms	180 x 50 x 160
Turin M 14	28	● Mono	●	●		6		9 W music 8 W rms	180 x 44 x 135
Amsterdam 12	29	● Mono	●	●				10 W music 9 W rms	180 x 44 x 135

In-car Cassette-Radios — Full Stereo

Model	Page	FM	MW	LW	SW	Preset Buttons	Station Search, PLL	Digital Frequency Display	Automatic Loudness	Integrated Fader	Sep. controls for Treble/Bass	Lock-on Fast Forward Rewind	Auto-reverse	Music Search System CPS	Noise Reduction	Tape Selector	Cassette deck Frequency Response	Night Design	Output Power	Dimensions WHD (mm)
Memphis SQR 04	8/9	●	●	●		3 x 5	●	TLCD	●	●	●	●	●	●	Dolby	●	35–18,000 Hz	●	No Power Output Stage	180 x 52 x 160
Kingston R 24	10/11	●	●	●					●		●	●	●	●	DNR	●	35–18,000 Hz	●	2 x 10 W rms	180 x 52 x 150
Berlin SQR 83	12/13	●	●	●	●	4 x 4	●	LCD	Loudness	●	●	●	●	●	Dolby	●	40–16,000 Hz	●	4 x 20 W music 4 x 15 W rms	180 x 50 x 160 ¹⁾
New York SQR 05	14/15	●	●	●		3 x 6	●	LCD	●	●	●	●	●	●	Dolby	●	40–18,000 Hz	●	No Power Output Stage	180 x 52 x 160
Toronto SQR 45	16/17	●	●	●	●	4 x 5	●	TLCD	●	●	●	●	●	●	DNR+Dolby	●	40–18,000 Hz	●	4 x 8 W rms	180 x 52 x 160
Montreal SQR 24	18/19	●	●	●		3 x 5	●	TLCD	●			●	●		DNR	●	40–16,000 Hz	●	2 x 10 W rms	180 x 52 x 160
Boston SQM 23	20/21	●	●	●		3 x 5	●	TLCD	●			●					40–16,000 Hz	●	2 x 10 W rms	180 x 52 x 160
Melbourne MR 23	22	●	●	●		3 x 5			●			●	●	●	db		40–16,000 Hz		2 x 10 W rms	180 x 52 x 160
Paris R 24	23	●	●	●					●			●	●	●	db		40–16,000 Hz		2 x 10 W rms	180 x 52 x 160
Stockholm R 24	24	●	●	●					●			●	●		db		40–16,000 Hz		2 x 10 W rms	180 x 52 x 160
Porto 24	25	●	●	●					●			●			db		60–14,000 Hz		2 x 10 W rms	180 x 52 x 150
Bristol 24	26	●	●	●					●			Forward lockable					60–12,500 Hz		2 x 10 W rms	180 x 52 x 150

¹⁾ Control Unit: 105 x 56 x 35; Receiver Unit: 180 x 50 x 71; Output Unit: 176 x 43 x 160

Where only the rms power is specified, music and rms power are the same. **Music Power** = Maximum "peak" power, **Rms Power** = Continuous output.

Blaupunkt Loudspeakers At a Glance

Type		Catalog. Page	Installation	Music power	Nominal power rating	Frequency range (Hz)	Sensitivity	Width (mm) B ₁ r. diam. (mm) Ø	Length (mm) B ₂	Height (mm) H	Installation Depth (mm) E	Impedance (Ohm)
Multi Directional System	MD 1350 4-way	42/43	Flush mount	50 W	20 W	50–23,000	91 dB	190	154	30	30	4
	MD 1690 2-way	42/43	Flush mount	90 W	45 W	50–22,000	92 dB	167	167	54,5	56	4
	MD 1360 2-way	42/43	Flush mount	60 W	25 W	40–22,000	91 dB	153	153	49,3	47	4
Central Systems	TL 1680	44/45	Flush mount	80 W	30 W	35–23,000	92 dB	168	168	21	65	4
	TL 1680	44/45	Flush mount	50 W	25 W	40–22,000	92 dB	173	173	23	64,5	4
	TL 1680	44/45	Flush mount	100 W	50 W	40–22,000	92 dB	168	168	21	67	4
	CL 1680-A1	44/45	Flush	80 W	40 W	40–20,000	93 dB	173	173	23	65	4

Blaupunkt Loudspeakers At a Glance

Type		Catalog. Page	Installation	Music power	Nominal power rating	Frequency range (Hz)	Sensitivity	Width (mm) B ₁ r. diam. (mm) ∅	Length (mm) B ₂	Height (mm) H	Installation Depth (mm) E	Impedance (Ohm)
Single Systems	SL 1230	48/49	Flush mount	30 W	15 W	50–18,000	92 dB	138	138	12,5	30	4
	SL 1325-A1	48/49	Flush mount	25 W	10 W	60–18,000	92 dB	140	140	10	49,5	4
	SL 1220-A1	48/49	Flush mount	20 W	6 W	80–19,000	92 dB	138	138	10	31	4
Line	BS 1020 CB	52/53	Surface mount	20 W	10 W	85–22,000	88 dB	178	126	120	—	4
	BS 8720 B	52/53	Surface mount	20 W	8 W	150–18,000	87 dB	102	102	105	—	4
	BS 1220	52/53	Flush mount	20 W	6 W	80–18,000	91 dB	138	138	7,5	31	4
	BS 1325	52/53	Flush mount	25 W	10 W	60–18,000	92 dB	140	140	10	49,5	4

Coaxial Systems	TL 1680	44/45	Flush mount	80 W	30 W	45–23,000	92 dB	168	168	21	65	4
	TL 1650	44/45	Flush mount	50 W	25 W	40–22,000	92 dB	173	173	23	64,5	4
	CL 1600	44/45	Flush mount	100 W	50 W	40–22,000	92 dB	168	168	21	67	4
	CL 1680-A1	44/45	Flush mount	80 W	40 W	40–20,000	92 dB	173	173	23	67	4
	CL 1650	44/45	Flush mount	50 W	25 W	40–22,000	92 dB	180	180	21	64,5	4
	CL 1640-A1 CL 1640-A2	46/47	Flush mount	40 W	15 W	40–22,000	92 dB	177/ 185	177/ 178	19/ 18,5	64,5	4
	CL 1340-A1/A2	46/47	Flush mount	40 W	15 W	50–22,000	90 dB	144/ 152	144/ 142	21,5	50	4
	CL 1025-A3	46/47	Flush mount	25 W	10 W	70–22,000	90 dB	114	216	67	49	4
	CL 1030-A1	46/47	Flush mount	30 W	15 W	45–30,000	90 dB	210	140	36	22,5	4
	CL 1030-B1	46/47	Surface mount	30 W	15 W	65–22,000	87 dB	202	142	150	—	4
Dual Cone Systems	DL 1530	46/47	Flush mount	30 W	10 W	65–22,000	90 dB	165	108	16	45	4
	CL 1030	46/47	Flush mount	30 W	10 W	70–22,000	90 dB	114	114	13	44	4
	DL 1650	48/49	Flush mount	50 W	25 W	45–20,000	93 dB	175	175	21	48	4
	DL 1630-A1	48/49	Flush mount	30 W	15 W	45–20,000	92 dB	173	173	23	48	4
	DL 1230	48/49	Flush mount	30 W	15 W	50–22,000	92 dB	138	138	12,5	30	4
	DL 1530	48/49	Flush mount	30 W	15 W	50–20,000	91 dB	175	175	21	48	4
	DL 1525-A1	48/49	Flush mount	25 W	8 W	50–20,000	89 dB	165	108,5	14	45	4
	DL 1030-A1	48/48	Flush mount	30 W	15 W	50–22,000	91 dB	125	125	13	44	4
	DL 1025-A1	48/49	Flush mount	25 W	10 W	50–20,000	91 dB	118	118	15	44	4
	SL 1640-A1	48/49	Flush mount	40 W	15 W	40–10,000	92 dB	177	177	19	64,5	4

Blue Sonic Line	BS 1020 CB	52/53	Surface mount	20 W	10 W	65–22,000	88 dB	178	126	120	—	4
	BS 8730 B	52/53	Surface mount	30 W	8 W	150–18,000	87 dB	103	103	105	—	4
	BS 1330	52/53	Surface mount	30 W	8 W	80–18,000	87 dB	135	135	7,5	31	4
	BS 1020	52/53	Flush mount	20 W	10 W	60–18,000	90 dB	∅ 128	—	7	50	4
	BS 8720	52/53	Flush mount	20 W	8 W	80–19,000	88 dB	104	104	4,5	39	4
	BS 1515	52/53	Flush mount	15 W	6 W	60–18,000	89 dB	163	114	7,5	38	4
Surface Mount/ Flush Mount Speakers	AL 6721	54/55	Surface mount	25 W	10 W	70–16,000	87 dB	160	140	150	—	4
	AL 6750	54/55	Surface mount	15 W	8 W	160–18,000	87 dB	∅ 110	—	131	—	4
	AL 6749	54/55	Surface mount	15 W	8 W	150–18,000	87 dB	97,5	130	129	—	4
	AL 6747	54/55	Surface mount	15 W	8 W	160–18,000	87 dB	115	115	63,5	—	4
	AL 6547	54/55	Flush mount	8 W	4 W	70–15,000	88 dB	114,5	114,5	13	36,5	4
Sound Component System	Tweeter SC-T 4580	40/41	Flush mount	80 W	40 W	2,000–25,000	91 dB	69	62	5,2	18,5	4
	Tweeter SC-T 2580 II/SC-T 2580	40/41	Surface mount	80 W	40 W	4,000–25,000	90 dB	56	56	12	—	4
	Mid Range SC-M 8780	40/41	Flush mount	80 W	40 W	300–12,000	92 dB	93	87	6	27,5	4
	Woofer SC-W 1080-4	40/41	Flush mount	80 W	40 W	40–4,000	93 dB	108	101	10,5	44	4
	Woofer SC-W 1040-8	40/41	Flush mount	40 W	30 W	45–4,000	90 dB	108	101	10,5	44	8
	Woofer SC-W 1380-8	40/41	Flush mount	80 W	30 W	40–3,000	93 dB	140	131	11	80	8
	Woofer SC-W 1330-4	40/41	Flush mount	30 W	15 W	45–3,000	91 dB	140	131	11	80	4
	Woofer SC-W 1640	40/41	Flush mount	40 W	15 W	40–3,000	92 dB	192	192	12,5	64	4
	Woofer SC-W 2060	40/41	Flush mount	60 W	40 W	35–1,000	94 dB	220	208	16	76	4

Blaupunkt Boosters At a Glance

	Type	Catalogue page	Music power	Nominal power rating	Speaker connections	Inputs	Fader control	Frequency range	Total Harmonic Distortion (THD) in %	Stereo Channel Separation	Noise Output	Signal/Noise-Ratio	Max. Boost/Cut	Sound Control Frequencies
	BQA 160	32/33	4 x 40 Watt	4 x 30 Watt	4	Preamp-Input, Speaker Inputs, DIN-socket	—	20–35,000 Hz	< 0,1%	> 60 dB	≤ 0,2 mV	—	—	—
	BSA 160	32/33	2 x 80 Watt	2 x 60 Watt	2	Preamp-Input, Speaker Inputs, DIN-socket	—	20–35,000 Hz	< 0,1%	> 60 dB	≤ 0,2 mV	—	—	—
	BQA 80	32/33	4 x 20 Watt	4 x 15 Watt	4	Preamp-Input, Speaker Inputs, DIN-socket	—	10–30,000 Hz	< 0,1%	> 50 dB	≤ 0,2 mV	—	—	—
	BSA 40-MS	32/33	2 x 20 Watt	2 x 15 Watt	2	Preamp-Input, Speaker Inputs, DIN-socket	—	20–30,000 Hz	< 0,1%	> 50 dB	≤ 0,2 mV	—	—	—
	BSB 40-2	32/33	2 x 20 Watt	2 x 15 Watt	2	Preamp-Input, Speaker Inputs, DIN-socket	—	30–16,000 Hz	< 0,1%	> 55 dB	≤ 0,2 mV	—	—	—
	BEA 80	34/35	4 x 20 Watt	4 x 15 Watt	4	Preamp-Input Speaker Inputs	built in	20–30,000 Hz	< 0,1%	> 55 dB	≤ 1 mV	—	± 12 dB all controls	60–150–350–800– 2,000–4,800–12,000 Hz
	BEB 40	34/35	2 x 20 Watt	2 x 15 Watt	4*	Preamp-Input Speaker-Input	built in	20–30,000 Hz	< 0,1%	> 40 dB	≤ 1 mV	—	± 12 dB all controls	60–250–1,000 3,500–12,000 Hz
	BEQ-S 2	34/35	—	—	—	Preamp-Input Speaker Inputs	built in	20–20,000 Hz	< 0.05%	> 60 dB	—	65 dB	± 12 dB all controls	60–250–1,000– 3,500–12,000 Hz
	BEQ-F/R	34/35	—	—	—	Preamp-Input Speaker Inputs	built in	20–20,000 Hz	< 0.05%	> 60 dB	—	70 dB	± 12 dB all controls	60–125–250–500–1,000 2,000–4,000–8,000–15,000 Hz
	BEQ-MS	34/35	—	—	—	Preamp-Input Speaker Inputs	built in	20–20,000 Hz	< 0.05%	> 60 dB	—	65 dB	± 12 dB all controls	60–250–1,000– 3,500–12,000 Hz

All specifications acc. DIN 45.500

*in connection with 4 speakers use 8-Ω-system, in connection with 2 speakers use 4-Ω-system



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